Volume 164 No. 1

Oil, Paint and Drug Reporter

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US Alcohol Units Sale May Hit Pricing Snag

The government's two huge alcohol butadiene plants at Kobuta, Pa., and Louisville, Ky., may have to be retained by the government because of doubts that they can be sold at reasonable prices, the senate banking committee was told last week during the windup of its hearings on the Capehart bill (S. 2047) for sale of the government-owned synthetic rubber plants.

Lawrence Brown, director of research of Publicker Industries, Inc., Philadelphia, testified that he did not think that the government would be able to find a buyer for the plants at a reasonable price because each unit has too big a capacity for private commercial operations. Although butadiene is a necessary ingredient in synthetic rubber, it was pointed out that made from alcohol is uneconomical when cheaper supplies can be obtained from petroleum.

Lease Arrangement Proposed

Mr. Brown proposed to the committee that provision be contained in the bill which would permit these plants to continue to remain in the government but leased to private industry under favorable conditions that would enable industry to operate them at a profit. He proposed that they be leased for ten years with a condition that the lessee be reimbursed for maintaining idle capacity and be allowed to deduct depreciation from the purchase price if he exercises a purchase option.

Hearings on the bill were closed July 1 with the testimony of Kenton R. Cravens, administrator of the Reconstruction Finance Corporation, which operates the plants, who had a number of moderate changes to suggest in the bill. Following his testimony it was announced that the committee would begin executive sessions July 8 to consider reporting the bill to the senate for passage.

Security Clause Urged

Among other witnesses during the final week were Frederick D. Bates, jr., chief of the chemicals and rubber division of the Munitions Board, who favored enactment of the bill and suggested that there should be a national security clause for transfer of the plants. Also testifying was Albert J. Rosenthal, general counsel of the Small Defense Plants Administration, who supported those provisions of the bill assuring small business of a small share of synthetic rubber.

Harvey S. Firestone, jr., chairman of the board of Firestone Tire & Rubber Company, Akron, Ohio, in a statement filed with the committee, endorsed the idea of selling the plants to private purchasers and offered some technical amendments which he said would facilitate the sales.

NPVLA Presses for Bigger Slash in Navy Paint Output

The National Paint, Varnish and Lacquer Association said last week that it was continuing its efforts to have the navy further curtail its paint manufacturing operations following disclosure by the navy department that it was cutting back its manufacturing operations to about twenty-eight types of paints. A list of paints supplied to NPVLA by the chief of the Bureau of Ships of the types which the navy will continue to manufacture included the following:—

Zinc chromate primer; pretreatment wash primer; maintenance primer, anticorrosive shipbottom; black plastic; hot plastic antifouling; cold plastic antifouling; black cold plastic antifouling; black plastic boottopping; dark gray deck; white plastic; navy blue; navy gray; haze gray; ocean gray; light gray; gray No. 46; gray No. 11; submarine dull black; zinc dust paint; black vinyl antifouling; red vinyl antifouling; dull black vinyl alkyd exterior; gloss black vinyl alkyd exterior; gray No. 7 vinyl alkyd exterior; gray No. 11 vinyl alkyd exterior; gray No. 17 vinyl alkyd exterior, and gray No. 27 vinyl alkyd exterior.

Excluded from the list and therefore to be purchased through normal procurement channels are: — Fire retardant paints; putty and caulking compound; interior ship paints, and paints for shore establishments. In 1951 the navy manufactured 228,830 pounds of putty at the Norfolk Shipyard and approximately 65,000 pounds at Mare Island.

The association said:—

"Our industry can well supply all paints on the list. The association is continuing its efforts to discontinue navy manufacture of these products.

"No production figures are available on the vinyl alkyd exterior paints. These are new developments and, while present determination is to have these products manufactered by the navy, they offer no problem to our industry. The navy is being urged to buy them from commercial sources."

Doctors' Draft Extension Bill Is Signed Into Law

President Eisenhower signed the doctors' draft extension bill into law June 29. The bill, H. R. 4495, extends for two years the right of the government to draft physicians up to fifty years of age for military service, and also establishes congressional policy favoring deferment of physicians employed by industry who are engaged in research or clinical work of national importance.

Materials Controls Are Extended Two Years Under New Procedure

Beating the deadline by only a few hours, congress passed and the President signed S. 1081 into law June 30 to continue the authority of the government to control the distribution of materials needed for defense and atomic energy projects for another two years and to make loans to defense contractors.

With the signing of the bill, the Controlled Materials Plan that channeled strategic and critical materials into the defense industries and limited the market in such materials for civilian industries, came to an end and was replaced by a new controls system, given the name of Defense Materials System and providing for a minimum of government direction over the distribution of a handful of materials in short supply.

Provision is contained in the legislation signed by the President for limiting distribution of materials for civilian uses but it is contemplated by congress that this authority shall be exercised only in an extreme emergency. The bill states that the powers granted to the President shall not be used to control the general distribution of any material in the civilian market:—

President's Powers Qualified

"Unless the President finds (1) that such material is a scarce and critical material essential to the national defense, and (2) That the requirement of the national defense for such material cannot otherwise be met without creating a significant dislocation of the normal distribution of such material in the civilian market to such a degree as to create appreciable hardship."

The bill would have cleared congress and been sent to the President several days ahead of the June 30 deadline but for a controversy between the senate and house over the matter of continuing government aid to small business. The house proposed that the present Small Defense Plants Administration go out of existence June 30 and be supplanted by the permanent agency under the name of the Small Business Administration with broad lending authority. The senate balked at setting up a permanent agency without further study and proposed that SDPA be continued for two years.

SDPA to Continue Through July

A last-minute compromise finally agreed to provide for extending the life of SDPA through the month of July only while the senate gave further study to the question of a permanent agency. Senate banking committee members having charge of the matter were doubtful that they can complete their studies by the end of the month. With congress planning to adjourn July 31, no one would venture a prediction on the outcome of the matter—whether SDPA will be continued, will be supplanted by the permanent agency, or whether there will be no small business agency at all.

Administration of the extended controls program will continue to be handled within the Department of Commerce, although the agency entered the new fiscal year July 1 in such a state of disorganization that it was almost impossible to find anyone with authority to issue rules or make decisions. This was because all National Production Authority employees had been given notices of dismissal effective June 30 in expectation of the work being taken over by a new agency, Business Services Agency, but with a reduced staff.

Appropriations Stymie Operations

Difficulties encountered in getting the new agency set up, the most important of which was failure of congress to pass the necessary appropriations, compelled assistant Secretary of Commerce Craig R.

—Continued on page 35

Fertilizer Bids Are Invited For Shipment to Philippines

American suppliers of fertilizers have been invited to bid on furnishing and delivering 16,300 metric tons of fertilizer to the Philippines. The invitation has been issued by the Philippine Council for United States Aid, Terminal Building, Aduana Street, Manila, P.I. and the closing date for the bids is 10 a.m. July 21, (Manila time).

The materials to be purchased are 10,000 metric tons of ammonium phosphate, 16-20; 4,300 metric tons of complete fertilizer, 12-24-12 and 2,000 metric tons of ammonium sulphate, 21 percent N.

The purchases are being made under the procedures established by the Philippine Council for United States Aid to buy Mutual Security Agency-financed commodities. Under the procedures, bidding is limited to Philippine importing firms and the Philippine distributors or authorized sales representatives of non-Philippine suppliers. It is necessary that American firms submit their offers through sales representatives in the Philippines.

MSA also announced that it has granted procurement authorization No. 95-230-00-993-3408 to Indo-China providing for financing up to $100,000 of ammonium sulphate fertilizer with minimum analysis of 20 percent available nitrogen. Purchase will be made by public bids submitted through local importers to the Commission Provisoire d'Importation, Saigon, Vietnam. American suppliers interested in submitting offers should advise their local representatives in Indochina immediately so that offers may be made when the request is issued by the Commission.

Nickel World Allocations Fixed for Third Quarter

A program for the allocation of 36,675 tons of free-world supplies of nickel for the third quarter was announced last week by the International Materials Conference. This is 360 tons less than was available during the second quarter.

IMC said that the decline in the availabilities for the third quarter does not arise from a decrease in production, but is due to a decrease in carryover. Production for the third quarter is expected to exceed the second quarter by 124 tons. The United States share of the total available was fixed at 25,078.1 metric tons (nickel content).

New Caledonian fonte (nickel cast iron), the production of which has increased considerably, has been excluded from the third quarter allocation. IMC said it had not been able to formulate a definite distribution plan for this material, mainly because it is not interchangeable with refined nickel. As in the previous quarter, Japanese nickel available for export also has been excluded from the allocation program.

Food Additives Hearings Set July 14-17 by House Group

In a surprise move last week, a subcommittee of the house interstate commerce committee scheduled four days of public hearings July 14 to 17 on pending bills amending the federal food, drug and cosmetic act to broaden the government's authority to control food additives.

The subcommittee, headed by Rep. Joseph P. O'Hara of Minnesota, has a half dozen bills relating to this subject before it for consideration. They are the two Delaney bills (H.R. 2244 and H.R. 2245) for controlling the use of chemicals in cosmetics and foods; the two Miller bills (H.R. 4277 and H.R. 4901) controlling the use of chemicals in pesticides and foods; and H.R. 5055 and H.R. 2739, which amend the food standards section of the law.

Fatty Acid Production Reported Higher in May

Fatty acid production in May totaled 36,386,000 pounds, as compared to the April level of 35,364,000 pounds, according to figures released by the Association of American Soap and Glycerine Producers. The former figure was some 10 percent above the figure for May, 1952.

Total disposition in May was 35,130,000 pounds, as compared to 36,489,000 pounds in April. Shipments, however, were above the level for May, 1952. Stocks in May were 35,540,000 pounds, as against 34,223,000 pounds in April.

Manganese Nitration Method Test Planned Under New DMPA Pact

Defense Materials Procurement Agency last week entered into a contract for construction of a pilot plant costing $500,000 located near Paterson, N. J., to test a nitric acid method for treating low grade manganese ore from Aroostook County, Maine.

The agency recalled that the President's Materials Policy Commission in its report of June, 1952, estimated the "inferred resources" of manganese ore in Aroostook County at 275,000,000 short tons. DMPA said that if this ore can be utilized the area would be one the most important potential sources of manganese in the country.

To assist in the development of the nitration process, DMPA has entered into a contract with E. S. Nossen Laboratories, Inc., of Paterson, to install the pilot plant, which is designed to produce two tons of metallurgical manganese a day, utilizing the so-called "Nossen Nitric Acid Cycle" process which has proved successful on a laboratory scale.

Project to Be Completed in 15 Months

The contract provides for DMPA to reimburse the company for its direct costs up to $489,000 and to compensate the company for its administrative work up to $28,000. The project will be completed in fifteen months, at which time DMPA expects to know whether the process can be employed on a commercial scale for beneficiation of the Aroostook County ores.

This project is one of several in which DMPA is participating in an effort to make use of domestic manganese resources. Last August DMPA signed a contract with the Manganese Chemicals Corporation, Minneapolis, Minn., for construction of a semi-commercial plant for testing an ammonium carbamate process on manganese ores in Minnesota. The plant is scheduled to start operation in September.

Ferromanganese Recovery Plant

Also scheduled to come into operation this fall is a sizable pilot plant being built at Coxton, Pa., by Mangslag, Inc., of Forth Worth, Tex., to perfect methods for recovering ferromanganese from open hearth steel furnace slag, another large potential source of the vital steel making material.

DMPA also has a contract with Southwestern Engineering Company, Los Angeles, to do research aimed at developing practicable methods for extracting useable manganese from so-called wad ores of Virginia, Arkansas, New Mexico and Arizona. This contract also provides for research on Aroostook County ores, but work on these ores is not yet under way.

Coaltar Product Import Total Dropped in 1952

Imports of coaltar products—both intermediates and such finished products as dyes. medicinals and pharmaceuticals and flavor and perfume materials—declined during 1952, according to a report released July 1 by the United States Tariff Commission.

Imports of coaltar chemicals entered under paragraph 27 of the tariff act of 1930, virtually all of which are intermediates, totaled 3,000,000 pounds, valued at $1,700,000 (foreign invoice value), compared with 8,500,000 pounds, valued at $2,200,000 dollars, in 1951, and 5,500,000 pounds, valued at $1,600,000, in 1950.

Imports in 1952 of finished coaltar products dutiable under paragraph 28 totaled 5,100,000 pounds, valued at $6,900,000 (foreign invoice value), compared with 5,200,000 pounds, valued at $7,300,000, in 1951.

Germany, UK Main Intermediate Sources

Intermediate imports in 1952 came principally from Germany and the United Kingdom. Lesser quantities also came from the Netherlands, Belgium, Italy, Japan, France, Switzerland, Australia, Sweden, Czechoslovakia and Canada. The most import intermediates, in terms of quantity, imported in 1952 were metachloroanilin and anthraquinone.

Imports of metachloroanilin totaled 546,000 pounds and came primarily from Germany. Imports of anthraquinone (512,000 pounds) came principally from Germany, the United Kingdom and France. There were also substantial imports of aminoanthraquinone, orthocresol, fast color salts, naphthol AS and derivatives, methoxone, phthalic anhydride and xylenol.

Dyes Led Finished Products

Among the finished coaltar products, dyes, as in previous years, were by far the most important group entered under paragraph 28. Imports of dyes amounted to $4,400,000 (foreign invoice value), or 64 percent of the total value of imports entered under paragraph 28 in 1952. Imports in 1951 were $6,300,000. Switzerland and Germany were the main sources of the dyes imported in 1952.

The next largest group of finished synthetic coaltar products imported last year was medicinals and pharmaceuticals. Imports of these products amounted to $1,900,000 (foreign invoice value), or 28 percent of the total value of all imports under paragraph 28 in 1952. Imports in 1951 were $732,000. Imports of flavor and perfume materials amounted to $18,000 in 1952 compared with $67,300 in 1951. Imports of other coaltar products under paragraph 28 were $584,000 in 1952 and $266,000 in 1951.

Diamond Alkali Announces Retirement of Fred Fraley

Fred W. Fraley has retired as a vice-president of Diamond Alkali Company, Cleveland, Ohio. Mr. Fraley resigned recently as a director of the company.

The retired vice-president's twenty-five year career with Diamond began in 1928 as manager of Diamond's southwest sales office in Houston, Tex. In 1943 he became vice-president in charge of sales, and served as a director since 1947. He was also a director and former vice-president of the Chlorine Institute.

Mr. Fraley recently served with the National Production Authority under the loan plan whereby industry executives are recruited for temporary periods. At the time he concluded his nine months of service in December, 1952, Mr. Fraley was assistant administrator of NPA in charge of the chemical, rubber and forest products bureau. During World War II, he was a member of the War Production Board and Munitions Board industry advisory committees.

Vinyl Acetate Prices Lowered by Carbide

Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York, last week announced reductions on both its "HQ" and "DPA" grades of vinyl acetate. With the action, the company switched over from quoting on an f.o.b. works basis to a delivered basis. The new schedule on both grades in the east, delivered, is as follows:—Drums, carload, 17½ cents per pound; drums, less carload, 18½ cents per pound, and tanks, 15½ cents per pound. Prices in the west are 2 cents per pound higher.

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Columbia-Southern Reports Executive Personnel Shifts

Columbia-Southern Chemical Corporation, Pittsburgh, Pa., subsidiary of Pittsburgh Plate Glass Company, has announced a number of changes in executive personnel and a change of location in the corporation's technical service department from Barberton, Ohio, to Pittsburgh.

E. W. Haley, director of sales, Pittsburgh, has been named assistant to the vice president with headquarters in New York. Mr. Haley will administer Columbia-Southern's export sales program and in addition will handle special assignments from the vice-president.

C. F. Bingham, assistant director of sales, has been named director of sales, with headquarters in Pittsburgh. C. J. Stroemple, acting manager of calcium hypochlorite sales, has been named assistant to the manager of the market research and

—Continued on page 70

Trade With Iron Curtain Countries Rules Tightened

The foreign assets control division of the Treasury Department last week tightened up the prohibitions against dealings with Iron Curtain countries by making it unlawful for persons in the United States to carry on trade in essential materials with the Soviet bloc through third parties.

The export control laws cover exportation from the United States to the Soviet bloc, but under these laws it is not illegal in this country for persons to participate in the supplying of strategic goods to a Soviet bloc country from a third country.

The new order by the treasury prohibits persons in the United States from purchasing or selling, or arranging the purchase or sale, of commodities outside the United States for ultimate shipment to the Soviet bloc, when the transaction would be inconsistent with the controls of this country and of friendly foreign nations.

Polyethylene Terephthalate Unit Is Planned by duPont

A commercial unit for the production of polyethylene terephthalate, a new synthetic base for photographic film, will be built at the Parlin, N. J., photo products plant of E. I. duPont de Nemours & Co., it was announced last week.

According to the company, the new base, a condensation polymer, is chemically related to its "Dacron" polyester fiver and "Mylar" polyester film. On the basis of extensive tests, duPont claims that the new base is several times stronger and has much greater dimensional stability than any of the present types of safety film base, and has comparable flame resistance.

The new base was developed and is currently being made in limited experimental quantities at the company's Parlin research laboratory. Construction of the full-scale unit at Parlin will start in the near future and completion and initial production are scheduled for the middle of 1955.

Commerce Dept. Appoints Transport Undersecretary

Charles L. Dearing, a senior staff member of the Brookings Institution with wide experience in the field of transportation, has been appointed deputy Undersecretary of Commerce for transportation. The appointment is effective August 1. The department also announced that Paul F. Royster has been named assistant to the undersecretary for transportation.

Titanium Pigment Assigns

Earl W. Diener, formerly district sales manager, has been appointed eastern sales manager of Titanium Pigment Corporation, New York. Mr. Diener fills the vacancy created by the death of John A. Lutz.

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Price Index Up Again

Last week saw the OPD price index continue its advance, reflecting the many contract price boosts which went into effect on July 1. The agricultural chemicals, petroleum derivatives and heavy chemicals markets showed the greatest upsurge.

Except for eleven changes in botanicals listed on page 61, price changes during the past week were as follows (the numbers in parentheses after changes indicate the pages on which the market reports will be found):—

Prices Advanced

Acetanilide, tech., 2½c. per lb. (48).
Acetoacetanilide, 2c. per lb. (48).
Acetoacetorthochloroanilide, 5c. per lb. (48).
Alphanaphthol, 15c. per lb. (48).
Alphanaphthylamine, 5c. per lb. (48).
Ammonia, anhydrous, $3 per ton (38).
aqua, $10 per ton.
Ammoniacal liquor, $6 per ton (38).
Ammonium nitrate, domestic, $4 per ton (44).
Canadian, Eastern, $5 per ton.
Anidin, oil, 2c. per lb. (48).
salt, 3c. per lb.
Anthraquinone, 3c. per lb (48).
Benzyl cinnamate, 50c. per lb. (63).
Black, carbon, furnace, semi-reinforcing, ½c. per lb. (66).
uncompressed, black, 2c. per lb.
Carbon tetrachloride, 0.53c. per lb. in tanks, 0.78c. in drums (38).
Casein, Argentine, ¼c. per lb (66).
Chlorine, 25c. to $1.60 per ton, tankcars (38).
Dianisidin, 10c. per lb. (48).
Diorthotolyguanidin, 3c. per. lb. (48).
Diphenylguanidin, 3½c. per lb. (48).
Heptane, indust., Bayonne, N. J., tanks, 1c. per gal. (46).
Hexane, indust., Bayonne, N. J., tanks, 1c. per gal. (46).
Lard, ½c. per lb. (72).
Mercaptobenzothiazole, 3c. per lb. (48).
Mercaptobenzothiazyl disulphide, 4½c. per lb. (48).
Metanitroparatoluidin, 5c. per lb. (48).
Mineral spirits, reg., tanks, E. coast tanks, N. J., N. Y., Gp. 3, 1c. per gal. (46).
tankwagon, Boston, Balto., Newark, N. Y., Phila., 1c. per gal.
Monochlorobenzene, 1c. per lb. (48).
Naphtha, cleaners, tanks, E. Coast tanks, N. J., N. Y., Gp. 3, 1c. per gal. (46).
Tankwagon, Newark, N. Y., Phila., 1c. per gal.
High solvency, 200-285 b.r., 37-38 C. mixed anilin pt., tanks, refy., E. Coast, 2c. per gal.
270-370 b.r., 78-81 C. m.a.p. tanks, same basis, 2c. per gal.
340-410 b.r., 27 C. m.a.p. tanks, same basis, 1c. per gal.
350-425 b.r., 37 C. m.a.p. tanks, same basis, 2c. per gal.
VM&P, tanks, E. Coast, N. J., N. Y., Gp. 3, 1c. per gal.
tankwagon, Boston, Newark, N. Y., 1c. per gal.
Neville and Winther's acid, 15c. per lb. (48).
Nitrobenzene, 1½c. per lb. (48).
Nitrogen solutions, $5 per ton (44).
Octane, 100° C., b.r., Bayonne, N. J., tanks, 1c. per gal. (46).
Oil, anise, USP, 20c. per lb. (63).
Coconut, deodorized, ½c. per lb. (72).
Peanut, crude, ½c. per lb. (72).
ref., ½c. per lb.
Orthodichlorobenzene, 1c. per lb. (48).
Paraffin, crude scale, ½c. per lb. (46).
Fully refined grades, ½c. per lb.
Perchloroethylene, drum carloads, ½c. per lb. (52).
Potassium chlorate, ½c. per lb (38).
Silicate, glass, $2.30 per ton (38).
solutions, 15c. to 30c. per 100 lbs.
Shellac, lemon No. 1, 1c. per lb. (66).
No. 2, 2c. per lb.
Superfine, 2c. per lb.
TN, 2c. per lb.
Soda, caustic, dry forms, 35c. per 100 lbs. (38).
Sodium bicarbonate, 20c. per 100 lbs. (38).
Chlorate, ½c. per lb (38).
Silicate, meta, 35c. per 100 lbs. (38).
Penthydrate, 20c. per 100 lbs.
Sesqui, 35c. per 100 lbs.
Solvent rubber, tanks, East coast, N. Y., N. J., Gp. 3, 1c. per gal (46).
Stoddard, tanks, E. coast, N. Y., N. J., Gp. 3, 1c. per gal.
tankwagon, Boston, Newark, N. Y., 1c. per gal.
Sulphanilic acid, 1c. per lb. (48).
Superphosphate, normal, 2c. per unit of a-p-a (44).
triple, 7c. per unit of a-p-a.
Toluol, 2c. per gal. (46).
Urea, domestic, 46% nitrogen, ½c. per lb. (44).
44%, $12 per ton.
Ammonia liquor, A and B tankcars, $8 per ton.
C grade, tankcars, $8 per ton.
37 grade, tankcars, $8 per ton.
Xylol, 2c. per gal (46).

Prices Reduced

Acid, caprylic, 2c. per lb. (72).
Lauric, 60 p.c., 1c. per lb. (72).
90 p.c., 2c. per lb.
Amyl cinnamic aldehyde, 65c. per lb. (63).
Anisic aldehyde, 5c. per lb. (63).
Bone meal, domestic, steamed, $5 per ton (44).
Castor pomace, $1 per ton (44).
Copra, $2.50 per ton (72).
Cyanamide fertilizer, mixing grade, $7.50 per ton (44).
pulverized, 15c. per unit of nitrogen.
Oil, almond, natural, bitter, FFA, 20c. per lb. (63).
Cardamom, NF, $2 per lb. (63).
Cedarwood, 2c. per lb. (63).
Corn, crude, ½c. per lb. (72).
ref., ¼c. per lb.
Cottonseed, crude, ¼c. per lb. (72).
ref., ¼c. per lb.
Lime, dist., Mexican, 10c. per lb. (63).
Palm kernel, ¼c. per lb. (72).
Soybean, crude, ¾c. per lb. (72).
ref., ¾c. per lb.
Phenol, 90-92%, 1c. per lb. (46).
82-84%, ½c. per lb.
Phenylethylphenyl acetate, 10c. per lb. (63).
Potassium stannate, 0.8c. per lb. (38).
Sodium stannate, 0.8 per ub. (38).
Soybean meal, $1 per ton (72).
Tapioca flour, Java, ¼c. per lb. (51).
Tin chloride, 1.2 per lb. (38).
Crystals, 1c. per lb.
Metal, 1½c. per lb.
Sulphate, 1.1c. per lb.
Tetrachloride, 0.9c. per lb.
Valonia beards, $3 per ton (51).
Cups, $1 per ton.
Vinyl aectate, 1½c. per lb. (52).
Wattle bark, fair avge., $3 per ton (51).
merchantable, $2 per ton.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100=1949 average)

July 2, 1953	June 26, 1953	July 3, 1952
106.35	106.22	110.57

W. European, Japanese Property in US Freed

Attorney General Herbert Brownell, jr., last week announced the removal of all remaining World War II freezing controls applicable to property in the United States of Austria, Belgium, Denmark, France, Greece, Italy, Luxembourg, Netherlands, Norway, Sweden, Switzerland and Liechtenstein, and Japan and western Germany.

The Attorney General said that as a result the only countries which will continue to be subject to the blocking controls under executive order No. 8389, as amended, are Bulgaria, Hungary, Rumania, Czechoslovakia, Poland, Estonia, Latvia and Lithuanian as well as eastern Germany. In addition, the Attorney General stated, all other blocked accounts worth $100 or less on June 1 are unblocked.

Assistant Attorney General Dallas S. Townsend, director of the Office of Alien Property, explained that the unblocking of western Europe and Japan was effected by issuance of a new general license No. 101 and the revocation of general ruling Nos. 6 and 17.

Controls Instituted in 1940

By this action, Mr. Townsend said, the government has terminated, so far as western Europe and Japan are concerned, the World War II freezing controls which were instituted in April, 1940, when Germany invaded Norway and Denmark. The assistant Attorney General emphasized, however, that blocking controls continue to apply to all remaining blocked property in which any of the following had any interest:—

(1) Bulgaria, Hungary or Rumania or persons in any of those countries on January 1, 1945, (2) Czechoslovakia, Poland, Estonia, Latvia or Lithuania or persons in any of those countries on December 7, 1945, and (3) eastern Germany or any persons in that area on December 31, 1946.

Property of nationals of these countries which is free as a result of general license No. 94 continues to be unblocked. With the issuance of general license No. 101, Mr. Townsend said, general license Nos. 32, 53, 53A and 97 have become either unnecessary or inconsistent with the blocking controls that are being continued, and accordingly, these general licenses have been revoked.

Curbs Still in Effect

Mr. Townsend declared that the unblocking of all accounts not exceeding $100 in value on June 1 was accomplished by the issuance of a new general license No. 102. He stressed that the new unblocking general licenses did not have any effect whatsoever on the status of the following property or the prohibitions with respect to dealings in such property:—

(1) Foreign and domestic scheduled securities, the so-called "looted securities," listed in general ruling Nos. 5 and 5B.

(2) Property or interests vested in, or

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Phenylmethyl Carbinol Price Is Cut by Carbide

Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York, last week announced a reduction of 25 cents per pound in the price of phenylmethyl carbinol. The new price—60 cents per pound — applies to less-carload lots, f.o.b. Institute, W. Va., and includes the cost of non-returnable drums.

According to Carbide, phenylmethyl carbinol has been recently recognized as the most effective carrier for acetate colors in dyeing "Dacron" and "Dynel." As a swelling agent, it is said to have no harmful effects on viscose, acetate, of wool in blends with synthetic fibers. Technical data and samples are available from Carbide, 30 East 42nd street, New York 17.

Hercules Powder Names Budd Advertising Director

Hercules Powder Company, Wilmington, Del., has appointed Montgomery R. Budd director of advertising. He succeeds Theodore Marvin, who has resigned to become president of the Michigan Chemical Corporation, St. Louis, Mich. (See story elsewhere on this page.)

Mr. Budd, who joined Hercules in 1929 as associate editor of *The Explosives Engineer*, a company publication, has been closely associated throughout his career with all departments of the chemical concern. He was named assistant manager of the advertising department in 1932. During World War II, Mr. Budd served as coordinator of employee relations for Hercules explosives department. He returned to the advertising department as assistant director in 1945.

From 1924 to 1928, Mr. Budd served as director of publications and alumni secretary at the Colorado School of Mines, Golden, Col. During the next year he was associated with General Electric Company, Schenectady, N. Y., as technical editor.

Freeport Sulphur Adds Robt. A. Lovett to Board

Robert A. Lovett, former Secretary of Defense, has been elected a member of the board of directors of Freeport Sulphur Company, New York. Mr. Lovett, a partner in the banking firm of Brown Brothers Harriman & Co., New York, resigned as defense secretary last January to reenter private business after having served more than nine years since 1940 in high government posts.

Michigan Chemical Corp. Elects Marvin President

Michigan Chemical Corporation, St. Louis, Mich., last week elected Theodore Marvin president and a member of the board of directors. Mr. Marvin, associated with Hercules Powder Company, Wilmington, Del., for thirty years and that concern's director of advertising since 1944, will assume his new post sometime this

Theodore Marvin

month. He succeeds Donald D. MacFarlane, Michigan Chemical board chairman, who has been acting president since the resignation of R. P. Place six months ago.

Mr. Marvin received the degree of engineer of mines in 1922, and master of science in 1923 at Colorado School of Mines, Golden, Cal. He worked for several mining companies after World War I and served on the faculty of Colorado School of Mines before joining Hercules in 1923.

Mr. Marvin began his career with Hercules as associated editor of *The Explosives Engineer*, a magazine issued by the company's advertising department for users of explosives. The following year he became managing editor of this publication. In 1929, he was named assistant advertising manager. Two years later, he was made advertising manager of the company, and, in 1944, became director of advertising.

The new Michigan Chemical president is a member of the American Institute of Mining and Metallurgical Engineers, the National Industrial Advertising Association, of which he has been vice-president, the Association of National Advertisers, various trade and technical societies, the Wilmington Club, and Hercules Country Club.

Vitro Presidency to Ward; Payson Chairman of Board

The boards of directors of the Vitro Manufacturing Company, Vitro Corporation of America, and Vitro Chemical Company, New York, last week announced the election of J. Carlton Ward, jr., as president of the corporation. Mr. Ward was also made a director of the companies, which he is joining for the first time. Albert L. Baker, former president, and later chairman of the boards, died early in May. At the same time, Charles S. Payson, who has been associated with the Vitro companies since their reorganization, was elected chairman of the boards of directors.

Mr. Ward, an outstanding engineer and executive, has in recent years been prominent in the aircraft industry. From 1935 through 1940 he was vice-president and general manager of the Pratt & Whitney Engine Division of United Aircraft Corporation. From that date until 1949 he was president, and later chairman of the board

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Vinyl Acetate Begins Moving Out of Celanese Pampa Unit

Six months ahead of schedule the chemical division of Celanese Corporation of America last week began shipping vinyl acetate in tankcar quantities from its Pampa, Tex., plant. Six months ago the vinyl acetate unit was in the blueprint stage, according to John Frick, manager of the recently completed petrochemical plant. Today it is capable of producing in excess of 30,000,000 pounds annually, and is designed to permit a rapid increase in production as market conditions demand.

The Pampa process for making vinyl acetate is new and was perfected at the chemical division research laboratories at Clarkwood, Tex. Production methods do not call for the use of the customary acetylene.

Soap Pricing Charges Set for FTC Dismissal

Charges brought against the three major soap producers in complaints filed with the Federal Trade Commission that they have violated the Robinson-Patman act by engaging in unlawful price discriminating practices were ordered dismissed under an initial decision filed by FTC hearing examiner Earl J. Kolb, June 30.

Following extended hearings both in Washington and in the field over the past several years on the original, amended and supplemental complaints, Mr. Kolb held that the evidence did not sustain the allegations raised by the commission attorneys and therefore ordered the complaints dismissed. His decision will become the decision of the commission in thirty days unless appealed or docketed by the commission for review.

Named in the complaints were Lever Brothers, New York City; Procter & Gamble Company, and its subsidiary, the Procter & Gamble Distributing Company, both of Cincinnati, Ohio, and Colgate-Palmolive Peet Company, Jersey City, N.J. They were charged with granting unlawful differences in price and advertising allowances among their customers.

Price, Allowance Differences

The alleged differences in price and allowances are said to arise out of the following practices in connection with sales to retailer customers:—(1)Price protection of warehouse stock upon price declines; (2) count and recount, and (3) advertising allowances.

Allowances to cover price declines in warehouse stocks were for the following purposes:—(1) To provide adequate stocks immediately behind point of sale; (2) to avoid necessity of maintaining greater number of warehouses by the manufacturer; (3) to pass on to the customer delivery cost, and (4) to induce the trade to maintain an adequate reservoir of stock.

The practice known as "Count and Recount" is a promotional plan, designed to stimulate the movement of goods which are moving slowly, it was pointed out. It entails the granting of a promotional allowance or rebate to chains of three or more stores and jobbers, based on the volume of merchandise purchased or moved from a warehouse to the retail store in specified periods.

Alleged Clayton Act Violations

Section 2 (d) of the Clayton act was violated according to the complaints, in the following manner:—(1) Payments of allowances for newspaper advertising were not made available to all of the respondents' customers because it is not reasonably possible for those who purchase smaller quantities to avail themselves of the higher rate which the respondent pays and agrees to pay for newspaper advertising, and (2) that the amounts received by the respondents' customers are disproportionate to the cost of advertising furnished by them in that purchasers of large quantities of soap products receive sums which are grossly in

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Spencer Kellogg Elects C. L. Bruno Treasurer

Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has elected C. Lyndon Bruno treasurer of the company. Mr. Bruno, who has been associated with Spencer Kellogg since 1935, succeeds James L. Wickstead. Mr. Bruno formerly served as assistant traffic manager and general traffic manager of the company's soybean division.

Charles M. Kennedy has been named to the board of directors to fill the unexpired term of Mr. Wickstead, who has upon his retirement severed all connections with the company. Mr. Kennedy is president of Charles Kennedy & Co. Robert L. Beyer has been made general sales manager to succeed R. C. Boggess, retired. Herbert L. Bayer, with Spencer Kellogg since 1933, has been appointed manager of the New York district sales office. He succeeds Alfred P. Mason, who is retiring.

Dow Names B. T. Bush, Jr. To Aromatics Sales Position

Appointment of B. T. Bush, jr., to handle aromatics sales for Dow Chemical Company, Midland, Mich., has been announced. In his new position, Mr. Bush will be associated with the fine chemicals sales section and will make his headquarters in Midland.

Mr. Bush for the past three years has been head of the company's aromatics laboratory in Jersey City, N.J., and prior to that held the same position for several years with Bush Aromatics, Inc., until the firm was acquired by Dow in 1950.

Washington Talks It Over

By Ralph L. Cherry

The chemical industry has a right to be rather proud of its safety record when comparison is made with the injury-frequency rates of other industries in the manufacturing field. In spite of the many hazards incident to the handling of products of the industry, accidents are comparatively few and run well below the national average.

Records of the Bureau of Labor Statistics for the first quarter show disabling injuries at 13 per million employee-hours worked for manufacturing as a whole. In the area of the chemical industry there were only three groups that exceeded the national average—14.6 for fertilizers, 22.3 for vegetable and animal oils and fats, and 23.7 for miscellaneous chemicals and allied products.

On the other hand, in such hazardous occupations as explosives manufacture, the injury-frequency rate was as low as 5.3 per million employee-hours worked. The lowest of any industry was claimed by synthetic fibers—less than one, and in miscellaneous industrial organic chemicals, another group in the lower bracket, the rate was only 4.9.

The injury rate for other areas of the chemical industry in the first quarter was 6.2 for industrial inorganic chemicals, 5.5 for plastics, except synthetic rubber, 2.7 for synthetic rubber, 8.2 for drugs and medicines, 8.8 for soap and related products, 9.7 for paints, pigments, and related products, and 8.8 for compressed and liquefied gases.

These comparatively low rates for the chemicals and allied industries may be compared with rates ranging from 9.5 to 31.7 in stone, clay, and glass industries; 5.5 to 28.6 in the primary metals field; from 11.4 to 26.5 in the fabricated metals field, and from 7.3 to 19.8 in the machinery field.

More Weather Talk

The "crazy" weather of the past several months gave rise to the belief in many quarters that the climatic disturbances must be the result of the atomic bomb experiments at Yucca Flats, N. M. This belief was so widely expressed that congress was forced to look into the matter. Each of the military services and the Weather Bureau have denied any connection between the two, but like the matter of the "Flying Saucers," the denials fail to satisfy. For record purposes, here is what the Weather Bureau has to say:—

Since the program for testing atomic weapons first began, the Weather Bureau and other agencies have been vitally interested in any possible meteorological results of the explosions. Detailed meteorological studies have been made and except for very local (i.e., within a few miles) effects immediately following the explosions, no meteorological effects were observed which could be considered the results of the explosions.

The fact that a near record number of tornadoes has been reported in the spring of 1953 should not, in our opinion, be attributed to the recent tests in Nevada; the tornado frequency in 1952 was much less although atomic tests were carried out in

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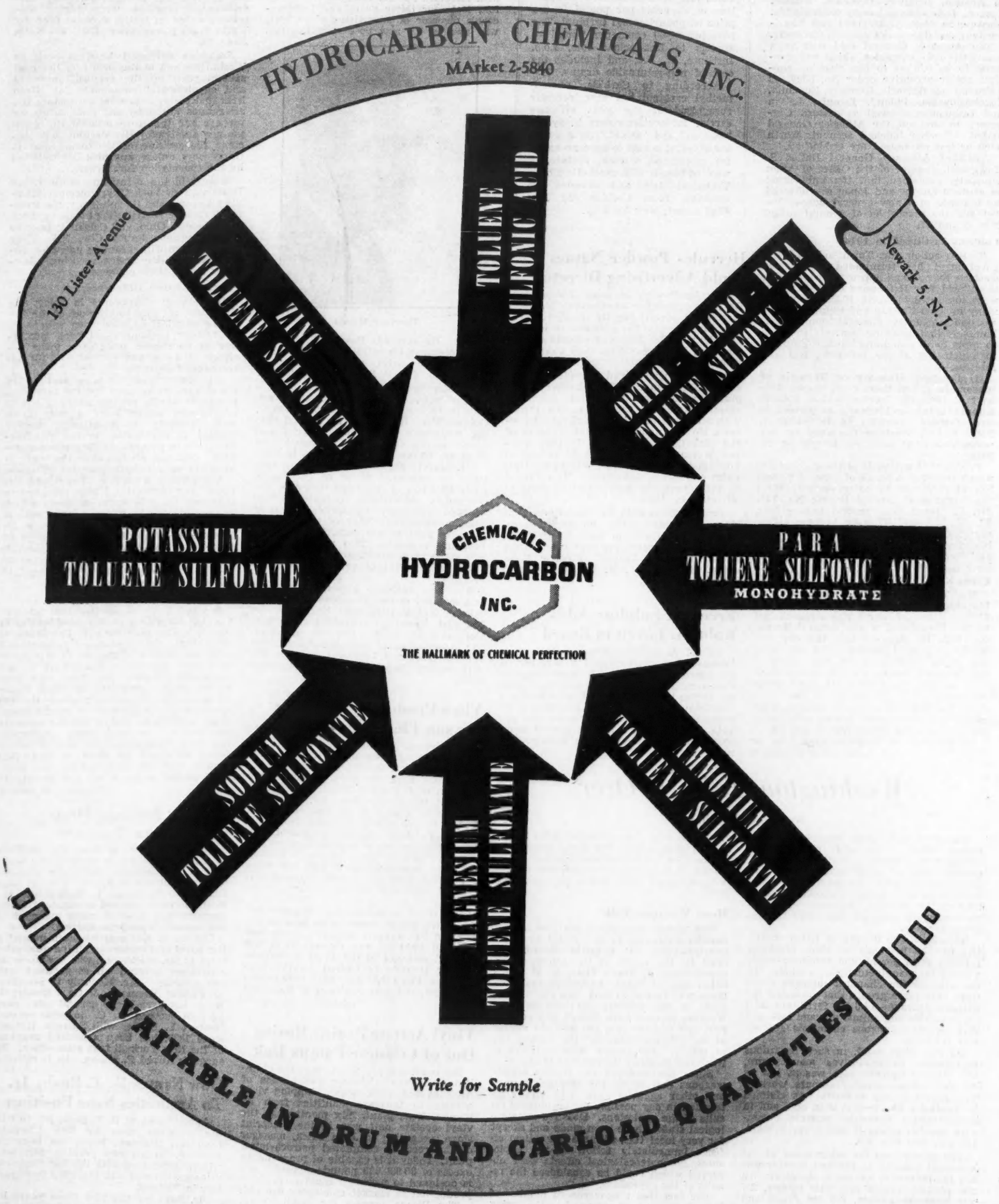


Write for Sample

Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Conrad Hilton hotel, Chicago, September 17-19.

American Chemical Society, fall meeting, Conrad Hilton hotel, Chicago, September 6-11, regional conclave, Jung hotel, New Orleans, La., December 10-12.

American Coke and Coal Chemicals Institute, annual meeting, Greenbrier hotel, White Sulphur Springs W. Va., October 12-13.

American Council of Commercial Laboratories, annual meeting, Detroit, Mich., November 4-6.

American Institute of Chemical Engineers, annual meeting, Jefferson hotel, St. Louis, Mo., December 13-16

American Petroleum Institute, annual meeting, Conrad Hilton hotel and Palmer House, Chicago, November 9-12.

American Pharmaceutical Association, annual meeting, Utah hotel, Salt Lake City Tabernacle grounds, University of Utah, Salt Lake City, Utah, August 16-22.

American Society of Hospital Pharmacists, annual meeting, Salt Lake City, Utah, August 16-22.

American Soybean Association, annual meeting, Jefferson hotel, St. Louis, Mo., August 20-21.

American Tung Oil Association, annual meeting, Buena Vista hotel, Biloxi, Miss., September 24-25.

Association of Consulting Chemists and Chemical Engineers, annual meeting, Belmont Plaza hotel, New York, October 27.

Chemical Industries Exposition, Commercial Museum and Convention Hall, Philadelphia, November 30-December 5.

Chemical Market Research Association, fall resort meeting, Pocono Manor Inn, Pocono Manor, Pa., September 17-18.

Chemical Specialties Manufacturers Association, annual meeting, Mayflower hotel, Washington, D. C., December 6-8.

Combined Contact Committee of ADMA, APMA, Greenbrier hotel, White Sulphur Springs, W. Va., October 22-23.

Consulting Chemists and Chemical Engineers, twenty-fifth anniversary celebration, Belmont Plaza hotel, New York, October 27.

Drug, Chemical and Allied Trades section, New York Board of Trade, annual meeting, Pocono Manor Inn., Pocono Manor, Pa., September 24-27.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W Va., September 20-23.

Federation of Paint and Varnish Production Clubs, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N J., October 29-31.

Food, Drug and Cosmetic Law Division of the American Bar Association, annual meeting, Harvard Law School, Cambridge, Mass., August 25-26

National Agricultural Chemicals Association, annual meeting, Essex and Sussex hotel, Spring Lake, N J., September 9-11.

National Association of Retail Druggists, annual meeting, Sherman and Morrison hotels, Chicago, October 11-15.

National Foreign Trade Council, annual meeting, Waldorf-Astoria hotel, New York, November 16-18

National Paint, Varnish and Lacquer Association, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N J., October 26-28.

National Pest Control Association, annual meeting, Nicollet hotel, Minneapolis, Minn., October 18-21.

National Petroleum Association, annual meeting, Traymore hotel, Atlantic City, N. J., September 16-18

Packaging Institute, annual forum, Statler hotel, New York, October 12-14.

Packaging Machinery Manufacturers Institute, annual meeting, Skytop Lodge, Cresco, Pa., September 20-23.

Paint Industries Show, Haddon Hall, Atlantic City, N. J., October 27-30.

Plant Science Seminar, Salt Lake City, Utah, August 10-15.

Salesmen's Association of the American Chemical Industry, chemical sales clinic, Commodore hotel, New York, October 19-20.

Society of Industrial Packaging and Materials Handling Engineers, exposition, technical short course and competition, Mechanics Hall, Boston, October 18-24.

Society of Rheology, annual meeting, New Yorker hotel, New York, October 29-30.

Synthetic Organic Chemical Manufacturers Association, luncheon meeting, Commodore hotel, New York, September 9.

Soybeans Listed by CCC Among Its July Offerings

Soybeans for crushing were added to the list of commodities for sale during July from the inventories of the Commodity Credit Corporation, it was announced July 1 by the Department of Agriculture. Approximately 1,900,000 bushels are being offered to both exporters and domestic users at the market price on date of sale, basis No. 1 grade green or yellow.

Other products on the list were:—Nonfat dry milk solids, raw linseed oil, crude and refined cottonseed oil, cottonseed meal, olive oil and flaxseed. The prices asked were unchanged from those of June except in the case of flaxseed. In addition to 3,607,000 bushels for sale at the market, the agency also is offering 613,000 bushels located at Galveston, Tex., at $3.20 a bushel basis No. 1 grade.

Soybean World Output Seen Short of Record

World production of soybeans in 1952 is estimated by the Foreign Agricultural Service at 669,000,000 bushels—only 1,000,000 bushels short of the record 670,000,000 produced in 1950. This estimate is 19,000,000 bushels or 3 percent larger than the first forecast of the crop and exceeds the 1951 estimate of 635,500,000 bushels by 33,600,000 bushels or 5 percent.

Over 90 percent of the estimated world production of soybeans is concentrated in the United States and the Chinese mainland. Roughly one-half of the total is produced in the free areas of the world, with the United States alone accounting for about 45 percent in recent years compared with only about 12 percent in prewar years.

Soybean production is believed to have increased in all the important producing areas of the world in 1952, with possibly the most significant expansion in the Chinese mainland. Sizable increases, however, also occurred in the United States, and the secondary-producing countries—Japan, Indonesia, Canada, Brazil and Thailand. Even Turkey and the Union of South Africa report record harvests in 1952. Possibly the only area of the world where output declined is Europe. The bulk of the European soybeans are grown in the Balkan area, and the severe drought in 1952 undoubtedly reduced production sharply. The estimate of output in the Soviet Union is largely speculative.

Canadian Production

Canadian soybean production set a new record for the ninth successive year. The harvest of 4,123,000 bushels was up 7 percent from 1951 and was 20 times the prewar volume. Soybean area of 172,000 acres was also a record and was 11 percent above 1951 plantings. Yields averaged 24.0 bushels compared with 24,8 in 1951.

The United States harvested 291,682,000 bushels of soybeans in 1952, the second largest crop of record, surpassing the 1951 outturn by over 9,000,000 bushels and reaching 97 percent of the record 299,279,000 bushels produced in 1950. An all-time record total of 16,136,000 acres of soybeans was planted for all purposes for 1952. Of this total, 87 percent or a record 14,075,000 acres was harvested for beans. The per-acre yield of 20.7 bushels, however, was slightly less than the two previous years. The north central states produced 250,000,000 bushels of soybeans or about 80 percent of the US total.

The American Consulate General at Hong Kong estimates production in China-Manchuria at roughly 325,000,000 million bushels—200,000,000 in China proper and 125,000,000 in the northeast area (Manchuria). This represents an increase of 4 percent from the 192,900,000 bushels estimated for China proper in 1951 and 12 percent from the crop of 111,200,000 believed to have been harvested in Man-

—*Continued on page 78*

Phosphate Lands in Idaho, Montana Offered for Lease

The Bureau of Land Management last week announced that it will offer for phosphate leasing 200 acres of Idaho lands and about 400 acres of Montana lands at sales to be held July 29 and August 5, respectively.

The Idaho lands are located about fifteen miles northeast of Soda Springs in Caribou County, Idaho. They will be offered in two separate parcels—one containing 120 acres and the second containing eighty acres. Separate bids on the parcels must be submitted on or before 1 p. m., EST, to the administrator of the bureau, Washington 25, D. C.

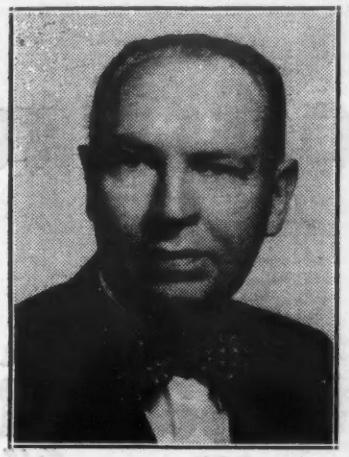
The Montana phosphate lands, amounting to approximately 400 acres, will be offered in one parcel and are located about fourteen miles southwest of Butte in Silver Bow County, Mont. Bids must be forwarded to the BLM administrator, Washington 25, D. C., on or before 1 p. m., EST, August 5.

Drug Contact Group to Meet Oct. 22-23 at White Sulphur

The combined contact committee of the American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association will hold its fall meeting October 22 and 23 at the Greenbrier hotel, White Sulphur Springs, W. Va. The Greenbrier meeting is in line with the committee's decision to hold one of its meetings each year at a place other than Washington, D. C.

Nat'l Lead Names Sarine Ad Mgr. to Succeed Knust

National Lead Company, New York, has appointed T. Howard Sarine advertising manager to succeed William Knust, who retired July 1 after forty-four years of company service. Mr. Knust had been Nationl Lead's advertising manager since



T. Howard Sarine

1927. Edward A. Olson has been named assistant advertising manager, Mr. Sarine's previous post.

Mr. Sarine started his National Lead career in 1923 as editor of "Dutch Boy" Painter, a trade publication. He became assistant advertising manager in 1927. Mr. Knust was first employed by National Lead in 1909, two years after the adoption of the "Dutch Boy" trademark. He started as a stenographer and worked his way through every division of the advertising department.

At one time or another, Mr. Knust handled National Lead's direct-mail literature, dealer and painter helps, as well as general and trade paper advertising. He was one of the organizers and the second president of Controlled Circulation Audit, Inc., serving from 1932 to 1934. He also served as a member of the industry advertising committee of the National Paint, Varnish and Lacquer Association.

Mr. Olson started his career with the company in 1914 at the Carter White Lead Company plant in Chicago, becoming Carter advertising manager in 1927. When the advertising activities of Carter were merged with those of the parent company, Mr. Olson moved to the New York office. He was in charge of National Lead's metal advertising until his present appointment.

AIChE to Hear Dr. Brown On Thermodynamics in Dec.

The fifth annual institute lecture of the American Institute of Chemical Engineers will be given at the organization's annual meeting at the Jefferson hotel, St. Louis, Mo., December 13 to 16, by George G. Brown, dean of the College of Engineering, and Edward D. Campbell, university professor of engineering, at the University of Michigan, Ann Arbor, Mich. Dr. Brown's topic will be on thermodynamics.

Dr. Brown is a former president of the AIChE and is now chairman of the education and accrediting committee of the institute. He recently was appointed treasurer of the AIChE to fill out the unexpired term of C. R. DeLong of New York. He has received the institute's William H. Walker award and the Hanlon award of the National Gas Association. Besides his university duties, Dr. Brown is a director of Nash Kelvinator Corporation, and in 1950 was director of the engineering division of the Atomic Energy Commission.

Superphosphate World Group Names Briton New President

The International Superphosphate Manufacturers' Association, at its annual series of meetings held recently in Stockholm, Sweden, elected D. J. Bird of the United Kingdom, president for 1953-54. Mr. Bird succeeds R. Standaert of Belgium, president of the association since 1949, who did not offer himself for reelection for reasons of health. Mr. Standaert was unanimously elected honorary president of the organization.

The following five vice-presidents were also elected or reelected:—H. Buhrer of Switzerland; J. Capelo Portabella of Spain; B. Colbjornsen of Sweden; R. Grandgeorge of France, and J. D. Waller of Holland. Dr. G. F. New was appointed secretary for 1953-54.

ASTM Elects L. Beard President for 1953-54

The American Society for Testing Materials last week elected Leslie C. Beard, jr., assistant director of Socony-Vacuum Laboratories, Socony-Vacuum Oil Company, New York, president of the organization for the 1953-54 term. The election took place at ASTM's fifty-sixth annual meeting, held June 28 to July 3 at the Chalfonte-Haddon Hall, Atlantic City, N. J.

Elected vice-president of the society for a two-year term was Claire H. Fellows, director of the engineering laboratory and research department, Detroit Edison Company, Detroit, Mich. In addition, five new members were named to ASTM's board of directors. The new board members, each of whom will serve for three years, are the following:—

Neil A. Fowler, director of sales and research, General Box Company, Des Plaines, Ill.; Richard T. Kropf, vice-president, industrial thread division, Belding Hemingway Corticelli, New York; Theodore E. Olt, director, research laboratories, Armco Steel Corporation, Middletown, Ohio; John R. Townsend, director of material and standards engineering, Sandia Corporation, Sandia Base, Albuquerque, N. M., and Kenneth B. Woods, associate director, joint highway research project, and professor of highway engineering, Purdue University's engineering experiment station, Lafayette, Ind.

Technical Paper Awards

Four awards were presented to authors of outstanding technical papers presented at previous ASTM meetings. The Charles B. Dudley medal went to Evan A. Davis and Michael J. Manjoine, research engineers, Westinghouse Research Laboratories, Westinghouse Electric Corporation, East Pittsburgh, Pa., for their paper entitled "Effect of Notch Geometry on Rupture Strength at Elevated Temperatures" presented at 1952 fiftieth anniversary meeting. The Dudley medal is presented for a paper of outstanding merit constituting an original contribution on research in engineering materials.

The Richard L. Templin award was presented to William N. Findley and P. G. Jones, research associate professor and associate professor, respectively, in theoretical and applied mechanics, University of Illinois, Urbana, Ill., Robert L. Sutherland, associate professor of mechanical engineering, State University of Iowa, Iowa City, Iowa, and Prof. W. I. Mitchell, South Dakota School of Mines, Rapid City, S. D., for their paper "Fatigue Machines for Low Temperatures and for Miniature Specimens" presented at last year's annual meeting. The Templin award is presented for a paper describing new testing methods and apparatus.

Thompson Prize to Miss Mather

The Sanford E. Thompson award, given for a paper on concrete and concrete aggregates, went to Katharine Mather, chief, petrography section, concrete research division, waterways experiment station, Corps of Engineers, Jackson, Miss., for her paper "Applications of Light Microscopy in Concrete Research" presented at the 1952 annual meeting.

The Sam Tour award for a paper on corrosion testing was given to J. R. McDowell, research engineer in the mechanics department of Westinghouse Research Laboratories, for his paper entitled "Fretting Corrosion Tendencies of Several Combinations of Materials" presented at last year's annual meeting.

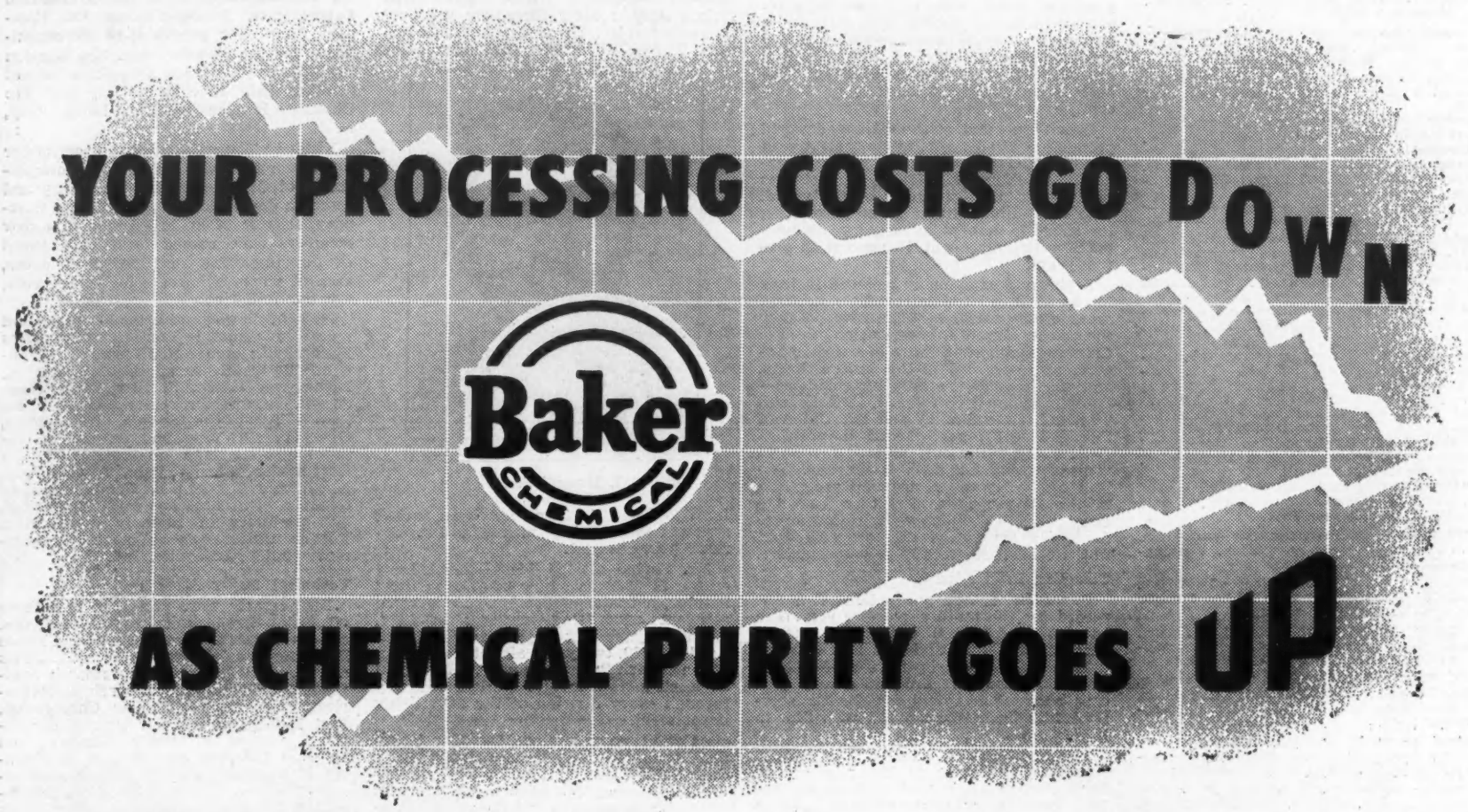
CED Picks Five Chemical Leaders as Board Members

The Committee for Economic Development last week elected ten new members to its board of trustees. Of the new board members, the following five were from the chemical and allied industries:—

F. J. Andre, president, Congoleum-Nairn, Inc., Kearny, N. J.; Fred J. Emmerich, president, Allied Chemical & Dye Corporation, New York; Benjamin F. Fairless, chairman of the board, U. S. Steel Corporation, Pittsburgh, Pa.; George F. Smith, president, Johnson & Johnson, New Brunswick, N. J., and John S. Zinsser, vice-chairman of the board of the Sharp & Dohme Division, Merck & Co., Philadelphia.

Tung Oil Meeting Slated

The American Tung Oil Association will hold its twentieth annual convention September 24 and 25 at the Buena Vista hotel, Biloxi, Miss.



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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, July 2 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).

Acenaphthene below 92.5 C., m.p., dms. works lb. 40 - —
over 92.5 C., m.p., bbls., dms., works lb. .41 - .50

Acetaldehyde, 99% dms. c.l., frt. equald lb. .1250- .1435
l.c.l. frt. equald lb. .1350- .1535
tanks, frt. equald lb. .1050- .1300

Acetaldol (see Aldol)

Acetanilide tech., bbls., c.l., dlvd lb. .29 - —
l.c.l., ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .86

Acetic anhydride, dms., c.l., dlvd. E. lb. .15½- —
l.c.l., dlvd. E lb. .17 - —
tanks, dlvd. E lb. .14 - —

Acetoacetanilide fib dms. c.l dlvd. per ton lb. .75 - —
l.c.l., dlvd. lb. .76 - —
higher.

Acetoacetorthochloroanilide fib. dms., c.l., dlvd. lb. 1.27 - —
l.c.l., dlvd. lb. 1.28 - —

Acetoacetorthotoluidide, fib. dms., c.l. dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —

Acetone, CP dms., c.l., dlvd lb. .10¼ - .11¼
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½- .10

Methyl (see M)

Acetonitrile, dms. c.l. works lb. .45 - —
l.c.l., works lb. .47 - —

Acetophenetidin USP bbls. works, frt. equald lb. 1.15 - 1.17

Acetophenone, cns. dms lb. 1.35 - 1.85
tech., dms., l.c.l. works lb. .75 - —

Acetyl (N) para-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85

Acetyltributyl citrate, tech. dms., c.l lb. .33½- —
l.c.l lb. .36½- —
tanks lb. .32 - —

Acetyltriethyl citrate, tech. dms., c.l lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —

Acid, abietic, com'l. dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - .07½

Acetic, com'l. or redist., 28% bbls 100 lbs 5.50 - —
56% bbls 100 lbs 9.65 - —
70% bbls 100 lbs 11.70 - —
80% bbls 100 lbs 12.45 - —
glacial, synthetic, CP, dms. works 100 lbs 15.00 -16.00
USP cbys, inclusive works 100 lbs 24.00 -25.00
tech., dms. c.l., works 100 lbs 10.50 -12.50
l.c.l., works 100 lbs 11.00 -13.50
tanks, works frt. equald 100 lbs 9.00 -11.50
USP, dms, works 100 lbs 13.50 -14.50

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis, lb. .55 - —

Freight equald, ship't identical quantity over standard routes from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib, dms., works lb. .37 - .37½

Aminoacetic NF bbls., frt. adjusted lb 1.50 - 1.75

Anthranilic, resub. bbls lb 2.10 - —
tech., bbls., frt equald lb 1.10 - —

Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide)

Ascorbic USP dms., 25-50 kilo lots. kilo 21.00 - —
10-kilo lots kilo 21.35 - —
5-kilo lots kilo 21.75 - —
bots., 1-kilo lots kilo 22.00 - —
500-gram lots kilo 22.50 - —

Battery, cbys. c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45

Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms. 100-lb. lots or more lb. .54 - —

Betahydroxynaphthoic (see Acid, betaoxynaphthoic).

Betaoxynaphthoic, bbls., works lb. 1.14 - —

Boric, tech. 99½%, cryst., bgs., c.l., works ton. 124.25- —
ton lots, ex whse., N. Y. or Chi. ton. 172.00- —
less ton lots, same basis, ton. 177.00- —
bbls., c.l., works ton. 148.75- —
ton lots, ex whse., N. Y. or Chi. ton. 196.50- —
less ton lots, same basis, ton. 201.50- —
gran., bgs., c.l., works ton. 99.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 147.00- —
less ton lots, same basis, ton. 152.00- —
bbls., c.l., works ton. 123.75- —
ton lots, ex whse., N. Y. or Chi. ton. 171.50- —
less ton lots, same basis, ton. 176.50- —
bulk, c.l., works ton. 94.25 - —
powd., bgs., c.l., works ton. 104.25- —
ton lots, ex whse., N. Y. or Chi. ton. 152.00- —
less ton lots, same basis, ton. 157.00- —
bbls., c.l., works ton. 128.75- —
ton lots, ex whse., N. Y. or Chi. ton. 176.50- —
less ton lots, same basis, ton. 181.50- —

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric acid $25

Acid, broenner's, bbls lb. 1.47 - —
Butyric, 99% dms. c.l., works, lb. .34 - —
l.c.l., works lb. .34½- —
tankcars, works lb. .32½- —

Cacodylic, bots lb 10.50 13.00
Camphoric, natural, dms lb 4.60 4.75
synth dms lb 4.00 4.75
Capric, dms lb. .26¼ .27½
Caprylic, dms lb. .32¾- .34
Cassella, dms., frt. alld lb. 1.44 1.75
Castor oil, dms lb. .35½ .36
Chicago, bbls frt alld lb 1.20 -
Chlorosulphonic dms. c.l., frt. equald lb. .0465- —
l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —

Acid chlorophonic in stainless steel dms., ½c. per lb. higher.

Cholic, 25-100-lb. bots., fiber dms. lb. .No prices.

Chromic 99⅔%, dms., c.l., works lb. .27½ —
l.c.l., works lb. .28 - .29

NF (see Chromium trioxide)

Cinnamic, refd. bots lb. 2.50 3.50

Citric, anhyd. gran. fine gran., dms., c.l lb. .28¾- —
10,000-lb lots, 1 ship't. lb. .29¼- —
smaller lots lb. .29¾- .31¼

USP gran. fine gran. dms., c.l lb. .27 - —
10,000-lb lots, 1 ship't. lb. .27½- —
smaller lots lb. .28 - .29½

Powdered anhydrous and USP citric acid, ½c. higher.

Cleve's, mixed, bls lb. .79 - —
Coconut oil, dist., dms lb. .25¼- .26½
tankcars lb. .23½- —
double dist., dms lb. .26 - .27½
tankcars lb. .23½- .24¼
Corn oil, dist., dms lb. .13 - —
tanks lb. .11¼- —
Cottonseed oil, dist., dms lb. .12 - .12¾
double dist., dms lb. .12½- .13¼
Cresylic, coaltar, dom., 50% 207°C or above, ret. dms., c.l., frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret. dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
204° to 207°C., ret. dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal. 1.08 - —
non-ret. dms., c.l., same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —

Acid, cresylic, coaltar, dom., 204° to 207°C., tanks, same basis gal. .93 - —
imp. 75% at 215°C. or over, dms. ex whse gal. .75 - .90
petroleum, dom., 195° to 213°C., non ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks same basis gal. .58 - —
200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C, tanks, Wilmington Cal gal. .50 - .53
245° C to 298° C, tanks, Wilmington Cal gal. .48 - —

Crotonic, fib. dms., 200 lbs. or more, works lb. .45 - —
Cyanoacetic, tech., bbls lb. .90 1.25

Dehydrocholic, injection, fib dms., 10 to 100-lb. lots lb. .No prices.
oral, fib., dms. 10 to 100-lb. lots lb. .No prices.
Desoxycholic, fib dms. 10 to 100-lb. lots lb. No prices.
Dichlorophenoxyacetic (see under 'D' 2,4-D)
Diethylbarbituric (see Barbital)
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .35 - —
l.c.l., works lb. .35½- —
tanks, works lb. .33½- —
F, crude paste, bbls., works lb. 1.67 - —
Folic, bots, fib, cns, kilo-lots or more gram. 1.60 - —
Formic, 85%, cbys., c.l., works lb. .1420- —
l.c.l., works lb. .145 - .157
90%, cbys., c.l., works lb. .1475- .1523
l.c.l., works lb. .1500- .1625
Fumaric, tech., bbls., dms lb. .37 - .38
Gallic, NF VII, bbls., 1,000-lb. lots. lb 1.80 —
smaller lots lb 1.82 2.00
technical, bbls., 1,000-lb lots lb 1.58 —
smaller lots lb 1.69 1.78
Gamma dry ground, bbls., frt. alld lb 1.50 - —
paste, bbls., frt alld lb 1.45 - —
Gentisic, 100-lb fib dms lb 8.50 - —
Glucolic, tech., 50%, bots lb. .23½- .31½
dms lb. .14½- —
cbys lb. .17½- —
Glutamic 99½% laevo, fib dms., 100 lb lots, works lb 2.45 2.53
25-lb lots, works lb. 2.60 2.68
Glycerophosphoric, 35%, dms., works lb 2.25 2.35

Acid, glycolic (see Acid hydroxyacetic).
H, bbls., works, basis 100% lb. .82 - —
Hydriodic, 1.50 s.g. cbys lb 2.67 - —
1.70 s.g. cbys lb 2.98 - —
Hydrobromic, medicinal, 48%, cbys. dlvd E lb. .37 - .43
Hydrochloric, anhydrous (see Hydrogen chloride).
18° cbys., c.l., works, 100 lbs. 2.50 - —
l.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt. equald ton. 28.00 - —
20°, cbys., c.l., works, 100 lbs. 2.60 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.00 - 4.00
tanks, works, frt. equald ton. 30.00 - —
22°, cbys, c.l., works, 100 lbs. 3.15 - —
l.c.l. dlvd Metropolitan area 100 lbs. 3.25 - 4.50
tanks, works, frt. equald ton. 35.00 - —
CP, USP, consumers, cbys., extra c.l., works lb. .11¾- —
l.c.l., same basis lb. .13¼- .13¾
5 pint bottles extra, cs., c.l., same basis lb. .16¾ —
l.c.l., same basis lb. .19¼- —

Acid, hydrochloric, CP, USP, prices to dealers 1½c per lb less.

Hydrocyanic, cyls. frt. alld lb. .75 - .95
dilute, NF, 2% 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd., cyls., works, lb. .27½- .29
tanks, works lb. .21 - —
70%, steel, dms., works lb. .18½- .22½
Hydrofluosilicic, basis 30%, dms., works lb. .06 - —
Hydroxyacetic, tech. 70% bbls., non-return, Phila., basis 100% lb. .136 - —
tanks Belle W. Va., basis 100% lb. .095 - —
Hypophosphorous, purif., 50%, cbys lb. 1.30 1.32
USP, cbys lb 88 —
Isonicotinic, 100 lb fib dms, works lb. 6.00 —
J, bbls, works, basis 100% lb. 2.50 - 2.85
Koct, bbls, frt alld lb .64 .70
L, bbls frt alld lb 1.25 —
Lactic, edible 50% bbls., 20 or more lb. .17 .20
smaller lots lb. .17½ .21
80%, bbls., 5 or more lb. .30 .3640
less than 5 bbls lb. .305 .3690
plastic grade 50% bbls. 20 or more works lb. 21¾ —
1 to 19 lb. 22¼ 22¾
80% bbls. 5 or more lb. .3815- —
tech., 22% bbls. c.l. works, 100 lbs 6.30 —
l.c.l., works 100 lbs. 6.70 - —
cbys. works 100 lbs. 7.20 12.20
44%, bbls. c.l. works 100 lbs. 11.45 11.95
l.c.l. works 100 lbs. 11.85 12.50
NF, 85%, cbys lb. .85 - .88
Laurent's, bbls lb. .60 .87
Lauric, 90%, dms lb. .37¾- .39
60%, dms lb. .22 - .23¼
Linseed oil, dist., dms lb. .2020- .2070
water-white, dms lb. .2320- .2370
Maleic, cryst. powd., dms lb. .37 .38
Malic, tech., dms lb. .50 —
Mandelic NF, dms, 1,000-lb. lots. lb 2.35 —
smaller lots lb 2.40 2.50
Metanilic, dms., works lb .57 .75
Methacrylic, dms., c.l. and truck-loads, works lb. .76 —
less than truckload works lb .76½- .80
Molybdic, 85-92%, dms, works lb. 1.27 —
Monochloroacetic, purified, flake, 99%, dms lb. .23½- .25¼
tech., flake, 96-97%, frt. equald, dms lb. .20 - .21
Muriatic (see Acid, hydrochloric)
Myristic, dms lb. .26¼- .27½
Naphthenic, 220-230 acidity, dms., works lb. .14 —
tanks, works lb. .12 —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias)
Neville and Winther's, dms, frt alld lb. 1.20 - —
Nicotinic, USP, dms, frt. adjusted kilo 9.00 9.30
Amide (see Nicotinamide).
Nitric 36° Be cbys., c.l., works, E. 100 lbs. 5.25 - —
l.c.l., works, E 100 lbs. 5.55 - 6.35
38° Be cbys., c.l., works, E. 100 lbs. 5.75 - —
l.c.l., works, E 100 lbs. 6.05 - 6.80
40° Be cbys., c.l., works, E. 100 lbs. 6.25 - —
l.c.l., works, E 100 lbs. 6.55 - 7.35
42° Be cbys., c.l., works, E. 100 lbs. 6.75 - —
l.c.l., works, E 100 lbs. 7.05 - 7.85
58.5 to 68% HNO_3, tanks, works, basis 100% 100 lbs. 3.40 - —
94½-95½% HNO_3, tanks, works, basis 100% 100 lbs. 4.40 - —
CP, NF, consumers, cbys., extra c.l., works lb. .13½- —
l.c.l. same basis lb. .15 - .15¼
5 pint bottles, extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .19 - .25
Oleic, single distilled, dms lb. .12 - .13¼
tanks lb. .10¼- —
double distilled (white), dms lb. .14½- .15¼
tanks lb. .12¾- —
Oleum (see Acid, sulphuric, fuming).
Orthochlorobenzoic, fib, dms., works lb. 1.13 —
Orthocresotinic, dms, ton lots, works lb. .66 —
smaller lots, works lb. .68 - —

Acacia—Acid, Orthocresotinic

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formulary
alld.	allowed	dist.	distilled	No.	number
ammo.	ammonia	distr.	distributor	nom.	nominal
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz	ounce
		dms.	drums	Pac.	Pacific
anhyd.	anhydrous	dom.	domestic	pf.	proof
a.p.a.	available phosphoric acid	E.	east	phos.	phosphate
		e.p.	end point	photo.	photographic
artif.	artificial	equald.	equalized	pkgs.	packages
ASTM.	American Society for Testing Materials	exp.	expressed	powd.	powdered
		F	fahrenheit	precip.	precipitated
		ferment.	fermentation	prod.	producer
		ffa.	free fatty acid	pt.	point
Be.	Baume	ffc.	free from chlorine	pulv.	pulverized
bbls.	barrels			purif.	purified
bgs.	bags	fib.	fiber		
bls.	bales	f.o.b.	free on board	redist.	redistilled
bots.	bottles	FPA.	free of prussic acid	refd.	refined
b.p.	boiling point			refy.	refinery
b.p.l.	bone phosphate of lime	frt.	freight	reg.	regular
		fus.	fused	resub.	resublimed
b.r.	boiling range	gal.	gallon	ret.	returnable
bxs.	boxes	gran.	granular	SD.	specially denatured
C.	centigrade	grd.	ground		
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured			S. E.	southeast
		i.b.p.	initial boiling point	secs.	seconds
c.i.f.	cost, insurance, freight			s.g.	specific gravity
		imp.	imported	shipt.	shipment
cks.	casks	incl.	included	solut.	solution
c.l.	car lots	indust.	industrial	s.u.	standard unit
cns.	cans	kgs.	kegs	synth.	synthetic
col.	color	lacq.	lacquer	tanks.	railroad tank-cars
		lb.	pound		
coml.	commercial	l.c.l.	less than car lots	tech.	technical
conc.	concentrated	liq.	liquid	USP.	U. S. Pharmacopoeia
CP.	chemically pure	m.a.p.	mixed anilin point		
cps.	centipoises			vis.	viscosity
cryst.	crystal	M c.f.	thousand cubic feet	VM&P	varnish makers & painters
cs.	cases				
ctns.	cartons	min.	minimum	W.	west
cyls.	cylinders	m.p.	melting point	whse.	warehouse
dbl.	double	N.	nitrogen	w.w.	water white
denat.	denatured	nat.	natural		

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Oxalic—Alcohol, Isopropyl

Acid, oxalic, bbls., c.l., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
Palm oil, double dist., dms lb. .12¼- .13
Para-aminobenzoic, tech., dms., works lb 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots lb. 2.55 - 2.60
Para-aminosalicylic, dms., 1,000-lb lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50
Parachlorobenzoic, 6b dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb .92 1.04
Phenylacetic, bots lb. 1.45 - 1.70
tech., dms., 1,000-lb. lots lb .90 —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works 100 lbs. 7.30 - —
l.c.l., works 100 lbs. 7.80 - 8.30
tanks, works 100 lbs. 5.10 - —
NF, 85%, cbys., c.l., works lb. .08½- —
l.c.l., works lb. .09 - .09½
Picric, NF, bbls lb. .55 - —
dms. small lb .31 .37
tech., bbls lb .32 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 —
t.c.l., works lb 263 —
tanks, works lb. .19 .243
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb 2.76 2.99
Pyroligneous, dms., incl., t.c.l., works gal. .36 - —
whse. gal .504 - —

Acid, ricinoleic (see Acid, castor oil, split).
S. bbls., works lb. 3.25 - —
Salicylic, crude, bgs lb. .38 - —
sublimed, tech., bbls., c.l. lb. .39 - —
l.c.l. lb. .46 - —
dyestuffs grade, bbls. lb. .41 - —
USP, cryst., bbls. lb. .48 - —
powder, bbls. lb. .53 - —
Sebacic, purified, dms., c.l., works. lb. .80 - —
t.c.l., works lb. .82 - —
Soybean oil, double dist., dms. lb. .15 - .15¾
single, dist., dms lb. .14½- .15¾
Stearic, double pressed bgs lb. .11 - .12¼
single pressed, bgs lb. .10½- .11¾
triple-pressed, bgs lb. .13¼- .14½
Succinic, purified, cryst., bbls., works lb 69 75
Sulphanilic, tech., dms., c.l. frt. alld lb. .19 - —
t.c.l., frt. alld lb. .21 - —
Sulphuric, 60 Be, cbys., c.l. works 100 lbs. 2.00 - —
t.c.l., works 100 lbs. 2.45 - —
tanks, works ton.18.60 - —
66° Be, cbys., c.l., works 100 lbs. 2.25 - —
t.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton.22.35 - —
96%, tanks, works ton.23.50 - —
99-100%, tanks, works ton.23.95 - —
CP, NF, consumers cbys. extra, c.l., works, frt equald. lb 09¾- —
t.c.l., same basis lb 11¼ .11¾
5 pt. bots., extra, cs., c.l., works frt equald lb 13¼ —
t.c.l. same basis lb 14¾- .20¾
oleum, 20%, tanks, works ton.25.00 - —
40% tanks, works ton.29.00 - —
65% tanks, works ton.39.50 - —
Tallow, dist., dms lb. .09½- .10¾
hydrogenated, dms lb. .10½- .11¾

Acid, tannic, NF, fluffy, bbls., 1,000-lb. lots lb 1.59 - 1.60
smaller lots lb. 1.65 - 1.76
powder, bbls., 1,000-lb. lots lb 1.50 - —
smaller lots lb. 1.51 - 1.69
tech, dms lb. .95 - —
Tartaric, USP, dom. 230, 250-lb., dms., c.l lb. .37 - —
10,000-lb. lots, 1 ship't lb. .37½- —
smaller lots lb. .38 - —
100-lb dms lb. .39 - —
small dms lb. .41 - .47
imported, bgs lb. .27 - —
Thioglycolic, refined, bgs, cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic dms. c.l. works works lb .16 —
t.c.l., works lb. .17½- —
Trichloroacetic, bots. lb. 2.00 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T)
Tungstic, tech, bgs., works lb 4.30 —
Undecylenic dms. lb 1 40 —
Aconite leaves, bls lb. .35 - .40
root, bls lb. .45 - .90
Aconitine, amorph, mild, bots oz. 27.50 - 32.50
cryst., potent bots oz 78 00 - 85 00
Acrolein, tech., dms., c.l., works. lb. .47 - —
t.c.l., works lb. .47½- —
Acrylonitrile dms. c.l., works lb 44½ —
t.c.l. works lb 45 47
tanks, works lb .43 - —
ACTH, bots gm.20.00 - —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .22 - .24
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 2.00 2.25
powdered, 30 mesh, fib. dms. lb 2.50 2.65
Agaric, white bls lb 2 25 Nom.
Agrimony herb bls lb 25 .30

Alanine, dextro-laevo, dms., works lb. 8.50 - 11.00
Albumen (egg), edible, flake, bbls., lb. 2.50 - 2.52
powder, bbls. lb. 2.34 - 2.36
tech., cryst., bbls. lb. 1.05 - 1.07
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l. dlvd lb. .32½- —
tanks, dlvd. lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
ex pentane, dms. c.l., frt. alld. E. of Rockies lb, .16¾- —
t.c.l., frt. alld. E. of Rockies lb, .17½- —
tanks, frt. alld E. of Rockies lb. .15 - —
fermentation, ref'd., 126°-132°C, dms., c.l., dlvd lb. .32¾- —
t.c.l. dlvd lb. .33¾- .38
tanks, dlvd lb. .31 —
128-132° C. dms. t.c.l. dlvd. lb. .33¾ .36
ACS grade, dms., t.c.l., dlvd lb. .35¾- —
synthetic, normal, dms., c.l., works lb. .42 - —
t.c.l. works lb. .43 - —
tanks, works lb. 40 - —
secondary, dms. c.l. frt. alld. E lb. .23¼- —
t.c.l. frt. alld. E lb. .24 - —
tanks frt. alld E lb. .21½- —
tertiary, dms. c.l. frt. alld E. lb. .19¾- —
t.c.l. frt. alld. E lb. .20¼- —
tanks, frt. alld. E lb. .18 - —
Benzyl, NF, dms lb. .64 70
tech. dms. dlvd lo. .47½ 49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .14¾- —
t.c.l. frt. alld lb. .15½- —
tanks, frt. alld lb. .13 - —
synthetic, normal, dms., c.l., dlvd lb. .14¾- —
t.c.l., dlvd lb. .15½- —
tanks, dlvd lb. .13 - —
secondary, dms., c.l., dlvd. lb. .12¾ —
t.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11 - —
tertiary, dms. c.l. frt. alld. lb. .13¾ —
t.c.l. frt. alld lb. .14½- —
tanks, frt. alld lb. .12 - —
Capryl, 85% dms., c.l., works lb. .15 - —
t.c.l. works lb. .15½- —
tanks, works lb. .13½- —
95%, dms. c.l., works lb. .16¼- —
t.c.l. works lb. .17 - —
tanks, works lb. .15 - —
Cetyl, extra 6b. cns. 500-lb lots or more lb. .73 - —
smaller lots lb. .80 - 1.15
NF, 6b. cns. 140-lb lots or more lb. .58 - .82
smaller lots lb. .59 - .82
Cinnamic, bots lb. 2.25 - 2.75
Decyl, bots lb. 2.00 - 2.50
Denatured, CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .61½- —
t.c.l., dlvd., same basis gal. .65½- .70¼
tanks, dlvd., same basis gal. .49½- —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.

Proprietary solvent, dms., c.l., dlvd. E of Rockies gal. .63 - —
t.c.l., same basis gal. .67 - .72
tanks same basis gal. .51 - —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.

SD1, dms., c.l., dlvd. E. of Rockies gal. .62½- —
t.c.l., same basis gal. .66½- .71¼
tanks, same basis gal. .50½- —
SB2B, dms., c.l., dlvd. E. of Rockies gal. .61 - —
t.c.l., same basis gal. .65 - .70
tanks, same basis lb. .49 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .60 - —
t.c.l., same basis gal. .64 - .69
tanks, same basis lb.gal. .48 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .62½- .63
t.c.l., same basis gal. .66½- .72
tanks, same basis gal. .50½- .51
SD23H, dms., c.l., dlvd. E. of Rockies gal. .63 - —
t.c.l., same basis lb. .67 - .72
tanks, same basis gal. .51 - —
SD 29, dms., c.l. dlvd. E. of Rockies gal. .60½- .61¼
t.c.l., same basis gal. .65½- .70¼
tanks, same basis gal. .48½- .49¼
SD30, dms., c.l., dlvd. E. of Rockies gal. .60 - —
t.c.l., same basis gal. .64 - .69
tanks, same basis gal. .48 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .63 - —
t.c.l., same basis gal. .67 - .72
tanks, same basis gal. .51 - —
SD40, dmes., c.l., dlvd. E. of Rockies gal. .61 - —
t.c.l., same basis gal. .65 - .70
tanks, same basis gal. .49 - —
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾- —
t.c.l., dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
t.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal.20.55 - —
t.c.l., same basis gal.20.59 -20.64
tanks, same basis gal.20.43 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .60 - —
t.c.l., same basis gal. .64 - .69
tanks, same basis gal. .48 - —
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies, gal.21.65 - —
t.c.l., same basis gal.21.69 -21.74
tanks, same basis gal.21.53 - —
Ethylbutyl, dms., c.l., works lb. .29¼- .29½
t.c.l. works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .27¾- —
t.c.l., same basis lb. .28¾- —
tanks, same basis lb. .26¼- —
Furfuryl, tech., cns., works lb. .31 - —
dms. c.l., works lb. .22½- —
t.c.l., works lb. .24 - —
tanks, works lb. .19½- —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
t.c.l. dlvd lb. .14½- —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd lb. .26¼- —
t.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .24½- —
Isopropyl, refd., 91%, dms., c.l., dlvd. gal. .53½- —
t.c.l., dlvd gal. .58½- —
tanks, dlvd gal. .41½- —
95%, dms., c.l., dlvd gal. .55¾- —
t.c.l., dlvd gal. .60¾- —
tanks, dlvd gal. .43¾- —
99%, dms., c.l., dlvd gal. .58 - —
t.c.l., dlvd gal. .63 - —
tanks, dlvd gal. .46 - —

WEIGHING THE DOT OVER THE i

ON THE WORLD'S MOST SENSITIVE ANALYTICAL BALANCES A PENCIL-DOTTED i IS SHOWN TO WEIGH A SMALL FRACTION OF A GRAIN MORE THAN AN UNDOTTED ONE!

ACETALDEHYDE
ACETIC ACID GLACIAL
ACETONE C. P. • AMYL ACETATE
BUTYL ACETATE, NORMAL
BUTYL ALCOHOL, NORMAL
ETHYL ACETATE • ETHYL ALCOHOL
FUSEL OIL, REFINED
ISOAMYL ALCOHOL
PACO SOLVENT T. R. 590

Considering that there are 7000 grains to the pound, these balances approach the absolute in accuracy.

Publicker's methods of maintaining purity of product and uniformity of quality are also extremely precise, and we have seen this precision benefit our customers' products and profits. A trial will prove we can serve you equally well.

PUBLICKER INDUSTRIES Inc.

One of the World's Largest Producers of Alcohols and Solvents

1429 WALNUT STREET, PHILADELPHIA 2, PA.

Alcohol, lauryl, bots.....lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Octyl, perfumer's grade, bots..lb. 2.00 - 3.25
technical (see Octanol normal).
Pentothenyl (see Pantbenol).
Phenylethyl, extra, dms. .....lb. 1.57 - 2.15
standard, dms. .....lb. 1.35 - —
Propyl, normal, dms., c.l., dlvd. lb. .12 - —
l.c.l., dlvd .....lb. .13 - —
tanks, dlvd.....lb. .10 - —
Polyvinyl, various grades, bgs., ton lots, works lb. .72½- .76
smaller lots, works ...lb. .77½- .81
Tetrahydrofurfuryl, cns., Waverly, N. Y..lb. .54 - —
dms., c.l., Niagara Falls, N. Y. lb. .45 - —
l.c.l., Waverly, N. Y....lb. .47 - —
tanks, Niagara Falls, N. Y..lb. .43 - —
industrial grade, dms., c.l., Niagara Falls, N. Y..lb. .305 - —
l.c.l., Waverly, N. Y....lb. .325 - —
tanks, Niagara Falls, N. Y.lb. .29 - —
Wood (see Methanol).
Aldol, 95%, dms., works.....lb. .23 - —
denaturing grade, dms.....gal. 2.15 - —
Aldrin, 60% solut., dms., c.l. works frt. alld..lb. .538 - —
l.c.l., works, frt. alld....lb. .755 - —
Aletris root, bgs .....lb. 1.20 - 1.25
Algin (see Sodium alginate).
Alkanet root, bgs. .....lb. .35 - .40
Allethrin, 100%, dms., frt., alld lb.32.00 - —
90%, dms., frt. alld .....lb.28.80 - —
solution, 20%, dms., 100-lb. lots, frt. alld..lb. 6.55 - 7.55
2½%, dms., frt. alld.....gal. 6.00 - 6.50
Allspice (see Pimento).
Allyl bromide, cbys., works.....lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd.....lb. .16¾- —
l.c.l., dlvd. .....lb. .17½- —
tanks, dlvd. .....lb. .15 - —
Starch, solid, dms., works.....lb. .52¾- .54¼
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs .....lb. .29 - .32
powdered, cs. .....lb. .38 - .45
Curacao, kgs. .....lb. .50 - .55
Socotrine, kgs .....lb. .25 - .35
Aloin, USP, bbls., dms., kgs ...lb. 4.25 - 4.70
Alphanaphtrol, bbls., frt. alld....lb. 1.00 - —
Alphanaphthylamine, bbls., frt. alld. lb. .50 - —
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .43½- —
l.c.l., works, frt. equald.....lb. .44 - —
Alphapinene, tanks, South, works..gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. fc. lb. .17 - —
Alphatocopherol, bots. .....kilo.225.00 - —
Acetate, bots. .....kilo.225.00 - —
Althea root, NF, peeled, bls.....lb. .20 - .33
Alum, ammonium, gran., bgs., works 100 lbs. 3.80 - —
lump, dms., works....100 lbs. 4.55 - 4.95
powd., dms., works....100 lbs. 4.70 - 5.10
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.05 - —
lump, dms., works....100 lbs. 4.80 - 5.20
powd., dms., works....100 lbs. 4.95 - 5.35
USP, burnt, dms.....lb. .20 - .21
hydrous, dms.....lb. .07¾- .08
Potash-chrome, dms.....lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
l.c.l., works.....lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .13 - —
l.c.l., works, frt. equald. lb. .1550- —
cryst., dms., c.l., works...lb. .1030- —
l.c.l., works.....lb. .1070- —
solution, 32° chys., c.l., works. lb. .0369- —
l.c.l., works.....lb. .0435- .0960
tankcars, works...100 lbs. 2.80 - —
NF, gran., dms, works lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works. lb. .1540- —
l.c.l., works .....lb. .1640- .1890
Aluminum fluoride, in fib. dms., 3c. per 100 lbs. higher.
Formate, basic solution, cbys lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton.60.00 - —
l.c.l., works .....ton.65.00 -65.00
light bgs., dlvd .....lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15%, Al_2O_3, fib. dms., works lb. .22 - —
contract, works ...lb. .21 - —
9-9½%, Al_2O_3, fib. dms., works lb. .19 - —
contract, works ....lb. .18 - —
dried, USP, XIV, fib., dms., works. lb. .82½- —
contract, works ....lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls lb. .44 - —
Metal, 99% +, ingots, 10,000-lb lots, frt., alld lb. .20½- —
pigs, 10,000-lb lots frt., alld., lb. .19½- —
Oxide, amorphous (see Albumina, calcined).
Paste, lining, extra-fine, dms..lb. .62½- —
stanard, dms .....lb. .43 - —
Powder, lining, extra fine, dms lb. 1.02½- —
standard, dms.....lb. .72 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c per lb. for 100-lb. drm., 1½c. per lb for 50-lb drm., 3c. per lb. for 10-lb. can and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

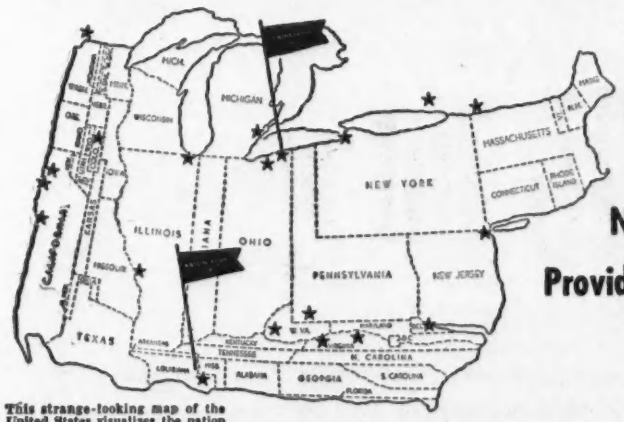
Resinate, precip, dms., frt. alld. lb. .27½- —
Stearate, dibasic, ctns., c.l.....lb. .33 - —
ton lots or less .....lb. .34 - —
monobasic, ctns., c.l .....lb. .33 - —
ton lots or less .....lb. .34 - —
tribasic, ctns., c.l .....lb. .33 - —
ton lots or less .....lb. .34 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs..lb. 1.85 - —
ground, bgs., works.....ton.37.00 - —
lump, bgs., works.....ton.40.00 - —
Iron-free, bgs., c.l., works, frt. equald..100 lbs. 3.55 - —
l.c.l., works, frt. equald 100 lbs. 3.95 - —
USP, gran., dms., works...lb. .13 - .15
powd., dms., works ...lb. .14 - .16
Trihydrate heavy (see Aluminum hydrate)
Ambergris, gray, bots .....oz. 8.00 -10.00
Amorette seed, bgs .....lb. .65 - 66
Aminoazotoluene, bbls.....lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., dlvd lb. .46½- —
l.c.l., dlvd.....lb. .47½- —
tanks, dlvd.....lb. .45 - —

Aminomethylpropanol, cns., dms., works..lb. .60 - —
Aminophyllin, USP, 100-lb. dms..lb. 4.00 - 4.30
Aminopyrine, USP, bots, dms. lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works..ton.85.00 -88.00
pure, cycls, extra, zone 1....lb. .18½- —
2 .....lb. .19 - —
3 .....lb. .19½- .20
4 .....lb. .20 - —
5 .....lb. .21 - —
refrigeration tanks, works..ton.87.50 -90.50
Aqua (29.4%, NH_3), dms., c.l., dlvd., Met. area 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 4.00 - —
tanks, works, anhyd., basis. ton.96.00 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
l.c.l., same basis....100 lbs. 8.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 7.00 - —
Ammoniacal liquor, tankcars, works, anhyd. basis..ton.96.00 - —
Ammonium acetate, purified, dms.lb. .38 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld lb. .80 - —
smaller lots, frt. alld.....lb. .81 - 1.08
Biborate, bbls., c.l., works...ton.312.00 - —
ton lots, ex whse.....ton.375.00 - —
less ton lots, ex whse...ton.380.00 - —
Bicarbonate, dom., dms., c.l., works..lb. 6.50 - —
l.c.l., works.....lb. 7.50 - —
imported, dms., l.c.l.....lb. .07¼- .08¼
Bichromate, bbls., works.....lb. .34½- .38¼
Bifluoride, dms., dlvd. .....lb. .2145- .2245
Bromide, NF, gran., bbls.....lb. .38 - .39
dms. .....lb. .39 - .43
Powdered ammonium bromide 10c. per lb. higher.

Ammonium carbonate, USP, lump, powd., dms..lb. .23 - .24
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms..lb. .1¼- —
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite NF dms.....lb 2.40 - —
Iodine, NF, dms., bots.....lb. 4.26 - 4.38
Linoleate, 80%, dms., works..lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point..ton.77.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton.89.84 - —
domestic, bgs., western, works. ton.68.00 -70.00—
with dolomite, 20.5% N, bgs., Hopewell, Va ton.51.00 —
Oxalate, fine gan., dms.....lb. .26½- .31
Pentaborate, gran., bbls., c.l., works..ton.222.00 - —
ton lots, ex whse ....ton.285.50 - —
less ton lots, ex whse ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works.....lb. .50 - .75
Persulphate, kgs .....lb. .38 - —
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .08½- —
c.l., same basis.....lb. .09 - —
dibasic, NF, V, bbls., dms lb. .45 - —
tech., bgs., c.l., works, frt. equald lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Salicilate, NF, dms., kgs.....lb. 1.62 - 1.64
Silicofluoride, dms., works lb. .11 - .12
Sulphamate, bbls., dms., works.lb. .18 - .20

Ammonium sulphate, coke-oven, bulk, producing ovens.. ton.44.00 -49.50
synthetic, bgs. c.l., western, works ton.50.00 -54.50
bulk, works .....ton.47.00 -49.50
purified, dms., works ....lb. .07½ .08¼
Sulphide, liq., 40-44%, dms., c.l., basis 100%, frt. equald..ton.240.00 - —
l.c.l., basis 100%, works. ton.300.00 - —
tanks, frt. alld.....ton.180.00 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .20 - .23
Thioglycollate, com'l, cbys., basis 100% lb. 1.60 - —
highly purified, cbys., basis 100% lb. 1.70 - 1.90
Thiosulphate, cryst., photo grade, fib dms., frt. alld..lb. .65 - —
60% solution, dms., c.l., works. lb. .06½- —
Amphetamine hydrochloride dibasic, dextro, bots .lb.28.00 - —
dextro-laevo, dms. .....lb. 6.00 - —
monobasic, dextro, bots .....lb.28.00 - —
Phosphate, dibasic, dextro, bots.lb.28.00 - —
dextro-laevo, dms. .....lb. 6.00 - —
Sulphate, dextro, dms .....lb.28.00 - —
dextro-laevo, dms. .....lb. 6.00 - —
Amyl acetate ex fusel oil, tech., E of Rockies lb. .16¾- —
l.c.l. same basis .....lb. .17½- —
tanks, same basis .....lb. .15 - —
ex pentane dms., c.l., frt. alld. E. of Rockies lb. .20 - —
l.c.l. same basis.....lb. .21 - —
tanks, same basis.....lb. .18 - —

Announcing TWO MORE GENERAL CHEMICAL Sulfuric Acid Plants



This strange-looking map of the United States visualizes the nation as it might appear if the size of each state were determined by the value its manufacturing concerns add to the nation's industrial output. It is based upon the figures appearing in the 1949 and 1950 Annual Survey of Manufacturers prepared by the U. S. Department of Commerce, Bureau of the Census.

Now! America's Foremost Producer Provides Industry with 20 *Sources of Supply*

As the nation's needs for Sulfuric Acid spiral steadily upward, General Chemical again adds more plants to its network of sulfuric production facilities in this country and Canada*.

Now, large new acid facilities are going up at Baton Rouge, La., and Painesville, Ohio, to serve expanded demands in those areas. These plants are an important part of the company's continuous, long-range development program aimed at providing Industry with convenient, dependable sources of supply for this vital basic chemical.

That's why—when you deal with General Chemical—you will be served not just by one plant, but through 20. Each augments the facilities and output of the others. Together they form a coast-to-coast "pipeline" that can supply your needs equally well, whether you operate in one location or several . . . from the Great Lakes to the Gulf . . . or from Massachusetts to California.

Just phone or write the nearest General Chemical office for further information on how General's Sulfuric facilities can best be put to work for you.

Allied Chemical

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
Offices in Principal Industrial Centers from Coast to Coast
*In Canada, The Nichols Chemical Company, Limited

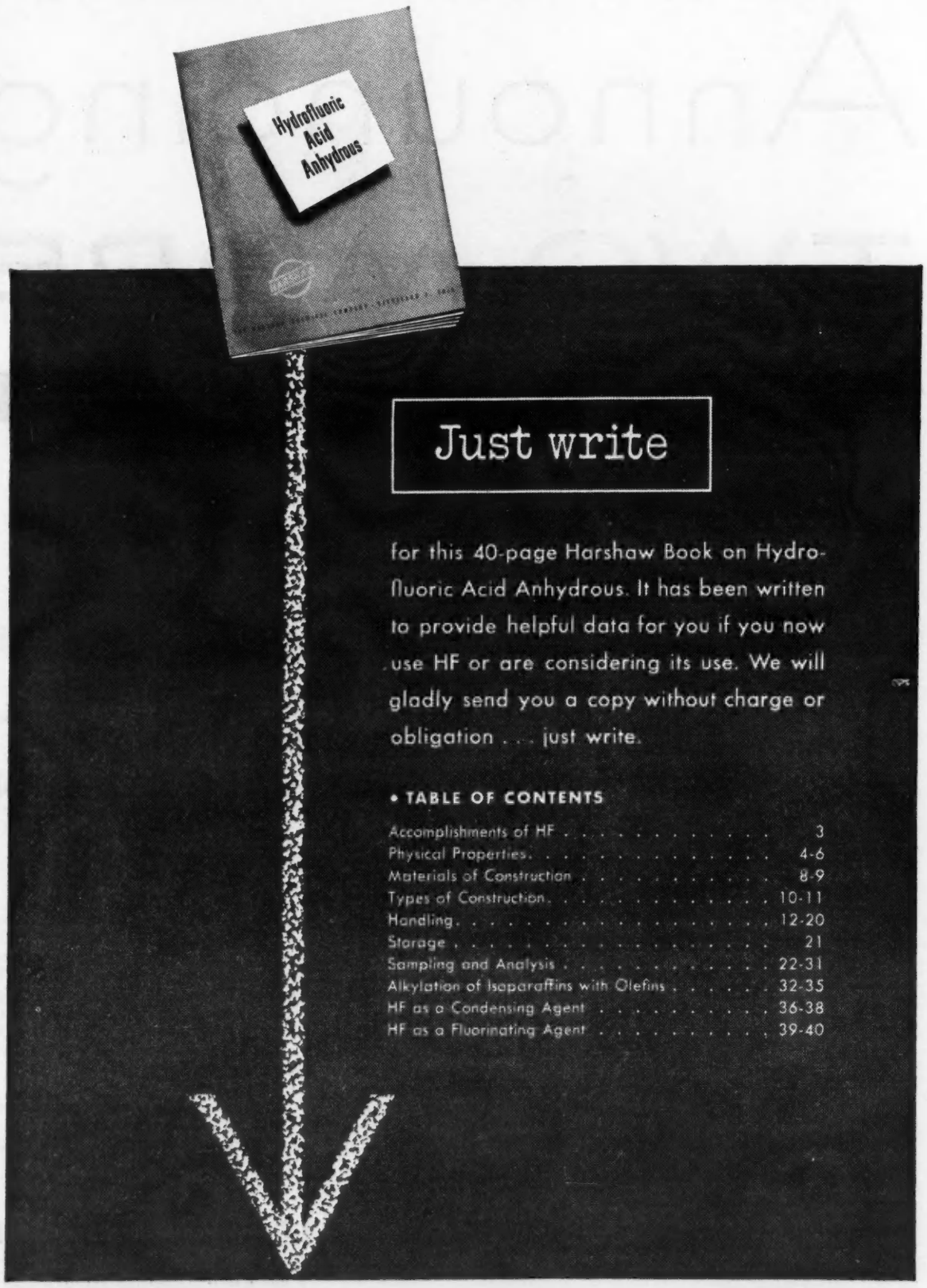
Amyl Alcohol—Black, Bone

Amyl alcohol (see Alcohol, amyl).			
Butyrate dms	lb.	.90	1.05
Cinnamic aldehyde, dms	lb.	1.05	- 2.00
Nitrite, USP bots	lb.	1.75	- 1.83
Salicylate, cns., dms	lb.	.75	- 1.05
Anethol, NF, cns., dms	lb.	1.00	- 1.37
Angelica root dom. bls	lb.	.60	- .70
imported, bls	lb.	.40	- .95
Angostura bark, bls	lb.	.43	- .48
Anilin oil, dms., c.l., works, frt. allg	lb.	.21	- —
l.c.l., works, frt. alld	lb.	.22	- —
tanks, works, frt. alld	lb.	.20	- —
Salt, dms., frt. alld	lb.	.33	- —
Anise, Balkan bgs	lb.	.13	- .13½
Chinese, star, bgs	lb.	.95	Nom
Czech, bgs	lb.	.12	- .12½
Mexican, bgs	lb.	.15	- .15½
Spanish bgs	lb.	.17	- .17½
Syrian, bgs	lb.	.14	- —
Turkish, bgs	lb.	14	- —
Anisic aldehyde, bots., dms	lb.	2.25	- 2.70
Annatto seed whole bgs	lb.	.26	—
powdered dms	lb.	.28	- —
Anthracene 90-95% bbls., ton-lots, works	lb.	.80	- —
smaller lots, works	lb.	.85	- —
Anthraquinone 99.5% bbls frt alld	lb.	.88	- —
Antimony butter (see Antimony trichloride)			
Metal, bulk, c.l., mines	lb	.34½	—
cases, c.l. mines	lb.	.35	- —
Oxide, bgs. c.l., frt. alld	lb.	.27½	.36
l.c.l., frt. alld	lb.	.29	- .39½
Sulphide, 62-64% bgs. divd	lb	.38	.38½
Trichloride, pails c.l., works	lb	43	47
l.c.l. works	lb	45	49
solution, cbys., works	lb.	.29	- .30
Antimony-potassium tartrate (see Tartar emetic).			
Antipyrene NF, dms	lb	2.50	2.60
Apomorphine hydrochloride, USP, bots	oz.	23.40	-23.90
Areca nuts, powd., bbls.	lb.	.17	- .18
Arecoline hydrobromide, NF, bots. tins	oz	5.00	5.75
Arginine monohydrochloride, laevo dms., 1-kilo, lots	kilo.	77.00	- —
Argols, min 50%, bgs., shipment ports, per 100 kilos, basis 100%	lb.	No prices.	
Arnica flowers (true montana), bls.	lb.	.70	- .71
root, bls	lb	1.45	- —
Arrowroot, powd., bgs	lb.	.11	- .14
Arsenic metal, lump, bbls., prompt ship't	lb.	.70	- —
Trioxide USP dms	lb.	.48	- —
White, powd., bbls., c.l., divd	lb	.05½	—
l.c.l. divd.	lb.	.06½	- .07½
Asafetida, cs	lb	.32	.35
powd. bbls. dms	lb	.50	.53
Asbestine (see Talc, fibrous, N. Y.)			
Asbestos, Canadian, crude, No. 1, c.l. (20 tons) mines	ton	1,300.00	—
No. 2 c.l. (20 tons) mines	ton	675.00	—
Run-of-mine c.l. (20 tons) mines	ton	556.00	—
3K, c.l., (20 tons), mines	ton	436.00	—
3R, c.l. (20 tons) mines	ton	371.00	—
3T, c.l. (20 tons) mines	ton	348.00	—
3Z, c.l. (20 tons) mines	ton	321.00	—
4K, c.l. (20 tons) mines	ton	173.00	—
4M c.l. (20 tons) mines	ton	173.00	—
4T, c.l. (20 tons) mines	ton	156.00	—
4Z, c.l. (20 tons) mines	ton	156.00	—
Asbestos, Canadian, crude, 5D, c.l., (20 tons), mines	ton.	122.50	- —
5K, c.l. (20 tons), mines	ton.	122.50	- —
5M, c.l. (20 tons), mines	ton.	116.50	- —
5R, c.l. (20 tons), mines	ton.	110.00	- —
6D, c.l. (30 tons), mines	ton.	78.00	- —
7D, c.l. (30 tons) mines	ton.	68.50	- —
7F, c.l. (30 tons), mines	ton.	65.00	- —
7H, c.l. (30 tons), mines	ton.	55.00	- —
7K, c.l. (30 tons), mines	ton.	46.00	- —
7M, c.l. (30 tons) mines	ton.	40.00	- —
7R, c.l. (30 tons), mines	ton.	39.00	- —
7T, c.l. (30 tons), mines	ton.	37.00	- —
7RF, c.l. (30 tons), mines	ton.	40.00	- —
7TF c.l (30 tons) mines	ton	40.00	- —
8S, c.l (30 tons) mines	ton	27.00	- —
Asbestos c.l prices are in U. S. funds. L.c.l. lots, $4 per ton higher.			
Asphalt, gilsonite, blacks, seconds, 300°-390°F fusing point not uniform bgs. c.l., Craig, Colo.; Heber City, Utah	ton.	34.00	- —
select, 350° F, fusing point, bgs., c.l., same basis	ton.	38.00	- —
270°-295°F fusing point bgs. c.l. same basis	ton.	37.00	- —
jet, bgs., c.l. same basis	ton.	34.00	- —
Manjak, No. 10, crude, dms., works	lb.	.06½	- —
Petroleum, cut-back, tanks, tank-wagon, refinery	gal.	.09	- —
emulsion, tanks, tank wagon refinery	gal.	.09½	- .10
steam refd., less than 80 penetration tanks, tankwagon, refinery	ton.	22.00	- —
80-300 penetration, tanks, tank-wagon refinery	ton.	21.00	- —
Aspirin (see Acid Acetylsalicylic.)			
Atropine, USP, bots	oz.	9.35	-10.00
Sulphate USP, bots	oz.	4.50	- 5.00

B

Bacitracin, bulk, 1,000,000 or more units 50,000 units		.70	- —
less than 1,000,000 units 50,000 units		.75	- —
Balm of Gilead buds, dried, bgs	lb	1.35	1.45
Barberry root bark, bags	lb.	.28	- .30
tree bark, bgs.	lb.	.40	- .45
Barbital, USP, 100 lb dms	lb	5.00	- —
Sodium USP dms	lb	5.25	5.27
Barium, carbonate, precip., bgs., c.l., works	ton.	92.50	- —
smaller lots, works	ton.	102.50	- —
Chlorate kgs., works	lb.	.32	- .36
Chloride, anhyd., bgs., c.l., works	ton.	158.00	- —
l.c.l., works	ton.	168.00	- —
NF, cryst., dms	lb.	.16	- —
Chromate, bgs., frt. equald	lb.	.30	- —
Dioxide (see Barium peroxide)			
Hydrate, crystals, bgs	ton.	190.00	-200.00
Iodide bots	lb	6 14	—
Monoxide (see Oxide)			
Nitrate, bbls., c.l., works	lb.	.12½	- —
l.c.l., works	lb.	.14	- —
Oxide, grd., dms., c.l., frt. equald.	ton.	255.00	- —
l.c.l., works	ton.	265.00	- —
Peroxide dms, works	lb	16	- —
Stearate, cns., c.l.	lb.	.37	- —
ton lots	lb	.38	- —
less ton lots	lb	.39	- —
Sulphate, tech (see Barytes and Blanc fixe).			
X-ray, dms	lb	.14½	- —
Sulphide, dms., c.l., works	ton	85.00	- —
l.c.l., works	ton.	95.00	- —
Barytes, Southern off-color, bgs. mines	ton.	25.00	- —
95.75%, bgs., mines	ton.	25.00	- —
water-grd., paper bgs., c.l., E. St. Louis	ton.	41.60	- —
ex-whse., N. Y.	ton.	60.10	- —
Bauxite, bulk, mines	ton	9.50	-10.00
Bay leaves (see Laurel leaves).			
Belladonna leaf, bls	lb.	.32	- .35
root, bls	lb	.35	- .40
Bentonite, dom., 200 mesh bgs., works	ton.	14.00	- —
imported, Italian, white, high gel., bgs., 10 tons to c.l., ex dock	ton.	65.90	- —
5 ton-lots, ex whse	ton.	80.60	- —
1 ton-lots, ex whse	ton.	83.10	- —
low gel, bgs., 10 tons to c.l., ex dock	ton.	64.40	- —
5 ton-lots, ex whse	ton.	78.95	- —
1 ton-lots, ex whse	ton.	81.45	- —
Benzal chloride, cbys. works	lb	.22	- .23½
Benzaldehyde, NF, dms	lb.	.74	- 1.05
tech., cbys., dms	lb.	.44	- —
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane).			
tech., bgs., dms., c.l., works, gamma unit-lb.		.0085	- .0090
l.c.l., works, gamma unit-lb.		.015	- —
dust, dry, distributors, dms., c.l., divd., gamma unit lb.		.015	- —
l.c.l., divd., gamma unit-lb.		.020	- —
wet, distributors, dms., c.l., divd., gamma unit lb.		.025	- —
l.c.l., divd., gamma unit-lb.		.0325	- —
Benzidine base, bbls	lb.	1.02	- —
Hydrochloride, bbls., frt. alld	lb.	94	- —
Benzocaine, dms	lb.	3.48	- 3.50
Benzol, pure or nitration, tanks, works			
Bethlehem, Pa	gal.	.42	- —
Birmingham district	gal.	.40	- —
Chicago district	gal.	.40	- —
Cleveland district	gal.	.40	- —
Geneva, Utah	gal.	.40	- —
Johnstown, Pa	gal.	.40	- —
Lackawanna, N. Y.	gal.	.42	- —
Lone Star, Texas	gal.	.41	- —
Lorain, Ohio	gal.	.40	- —
Minnequa, Colo.	gal.	.39	- —
Philadelphia district	gal.	.42	- —
Pittsburgh district	gal.	.40	- —
Sparrows Point, Md	gal.	.42	- —
Syracuse, N. Y.	gal.	.40	- —
Terre Haute, Ind	gal.	.41	- —
Wyandotte, Mich	gal.	.42	- —
Youngstown, Ohio	gal.	.40	- —
Benzophenone dms	lb.	1.40	- 1.70
Benzonitrile, dms., c.l., works	lb.	.46¾	- —
l.c.l., works	lb.	.47	- —
Benzotrichloride, cbys., frt. equald.	lb.	.18	- .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald	lb.	.21½	- .24½
l.c.l., same basis	lb.	.22½	- .25½
Peroxide, pure, fib. ctns., works.	lb	90	- 1.05
Benzyl acetate, t.f.c., cns., dms	lb.	.65	- 1.05
Alcohol (see Alcohol, benzyl)			
Benzoate, USP, f.f.c., cns., dms.	lb.	.72	- .80
Chloride, tech., cbys., dms., c.l., works, frt. equald	lb.	.20½	- .23½
l.c.l., same basis	lb.	.21½	- .24½
High grade benzyl chloride, 2c higher.			
Cinnamate, cns.	lb.	3.50	- 3.90
Formate, cns.	lb.	1.30	- 2.10
Propionate, bots	lb	1.35	- 1.80
Salicylate bots	lb.	1.65	- 1.85
Benzylidinacetone, bots	lb.	1.68	- 2.05
Benzylisoeugenol, cns.	lb.	8.60	- 9.10
Berberine bisulphate, cns	lb.	35.00	-36.25
Hydrochloride, bots	lb.	35.00	-36.25
Berberis root, bls	lb.	.32	- .35
Betagammapicoline, 5°, dms., c.l., works	lb.	.31	- .32½
l.c.l., works	lb.	.32	- .33
Betamethylnaphthalene, 32°C m.p., dms., works	lb.	.90	- —
Betanaphthol, resublimed, dms., works	lb.	.78½	- —
tech., bbls., c.l., works	lb.	.32½	- —
l.c.l., works	lb.	.34½	- —
Benzoate, fib dms., works	lb	3.00	- —
custom contract	lb.	1.65	- 1.85
Salicylate, dms	lb	5.00	- —
Sulphate, cns	lb.	35.00	-36.25
Betanaphthylamine, tech., bbls., works	lb.	1.05	- 1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.10	- —
smaller lots	lb.	1.15	- 1.40
Betapicoline, 98%, dms., works	lb.	1.05	- —
Beth root, bls	lb.	.40	- .41
Biotin, cryst., bots	gram	10.00	- —
Biphenyl (see Diphenyl).			
Bismuth chloride, jars	lb.	5.11	- —
Hydroxide, dms	lb.	4.65	- —
Metal, nxs., ton lots	lb	2.25	- —
Nitrate, cryst., dms	lb.	2.10	- —
Oxide, anhydrous, dms	lb.	4.47	- 5.05
Oxychloride, dms	lb.	4.37	- 4.42
Phenolsulphonate, fib. dms	lb.	5.22	- —
Subcarbonate, USP, dms	lb.	3.20	- —
Subgallate, NF, fib. dms	lb.	3.15	- —
Subiodide, fib. dms	lb.	5.37	- —
Subnitrate, NF, dms	lb	2.65	- —
Subsalicylate, USP, dms	lb.	3.50	- —
Bismuth-ammonium citrate, USP, powd., jars	lb.	4.22	- —
Black, acetylene, bgs., c.l., works	lb.	.16	- —
cs, l.c.l., ship't point	lb.	.20	- .22
Bone, dms., l.c.l., frt. allgd	lb.	.35½	- .23

Pacific coast bone black prices, 2c. per lb. higher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BRANCHES IN PRINCIPAL CITIES **THE HARSHAW CHEMICAL CO.** 1945 E. 97TH STREET • CLEVELAND 6, OHIO

Black, carbon, channel, heads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular bgs., c.l., works lb. .12 - —
l.c.l., dlvd. or whse lb. .19 - —
furnace, fast extruding, ogs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd. or whse lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., cns., l.c.l., whse lb. .085 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works. lb. .12¾- —
l.c.l., works lb. .13 - —
Lamp, bgs., c.l. works lb. .16 - .45
Mineral, bgs. works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry root bark, bls lb. .32 - .35
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root bark bls lb. .65 - .70
tree bark bls lb. .40 - .42
Black Indian hemp root, bbls lb. .60 - .61
Blanc fixe, dry, by product, bgs. c.l., works ton.106.50 - —
l.c.l., works ton.116.50 - —
direct process bgs. c.l., works ton.100.00 - —
l.c.l., works ton.110.00 - —
N. Y. whse ton.140.88 -155.00
pulp, 70%, bbls., c.l., works. ton.105.00 - —
l.c.l., works ton.115.00 - —
Bleaching powder, dms. c.l., works 100 lbs 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 5.90 - —
high-grade, unground, 16-17% ammon., bgs., Chicago unit-ton. 5.00- - —
soluble, bgs., c.l. lb. .16½- .18
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .55 - .56
Blue, alkali dry, bbls, dlvd N or Tenn. and N C., E of Miss R. including St Paul Minneapolis, Davenport Rock Island, St. Louis lb. 2.00 - —
toner bbls. lithe flushed same basis lb. 1.15 - —
Chinese, bbls., same basis lb. .48 - —
Cobalt, genuine, bbls. same basis, lb. 4.90 - —
imitation (see Blue ultramarine)
Copper-phthalocyanine, full strength, bbls. same basis lb 3.85 - —
resinated, bbls. same basis lb 3.40 - —
water dispersable lb 1.54 - —
Iron (see Blue Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner molybdated, PMA bbls., same basis lb. 2.60 - —
tungstated, PTMA, bbls., same basis lb. 4.05 - —
Milori, bbls., same basis lb. .48 - —
Peacock, fugitive 100% color strength, bbls., same basis lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble bbls. same basis lb. .48 - —
soluble, bbls., same basis lb. .48 - —
Soda, C.P., bronze, bbls. same basis lb. .48 - —
Ultramarine, cobalt type dry or pulp, bbls., same basis lb. .30½- .35
jobbing types, bbls., same basis. lb. .16½- .18½
regular types, dry bbls. same basis lb. .22½- .35
Victoria toner, molybdic, PMA, bbls. lb. 4.10 - —
tungstated, PTMA bbls lb. 5.35 - —
Blue, dry colors, dlvd prices 4c higher Ala., Fla., Ga., La. (Shreveport, 1¼c), Miss., N C., S C., Tenn. Tex (El Paso 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 16c higher Pac Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago
Blue dyes (see Blue).
Bluetag, root, bls lb. .45 - .46
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .11 - .13
Bonemeal, steamed, works, E ton.60.00 - —
Bone phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic)
precipitate, (see Calcium phosphate tribasic, NF precip.).
Bones, raw bulk Atlantic ports ton.60.00 - —
Boneset, leaves and tops, bls lb. .17 - .20
Borage flowers, bls lb. .65 - .66
Borax, tech, anhydrous, bgs., c.l., works ton.78.00 - —
ton lots ex whse. N. Y. or Chi ton.125.75- —
less ton lots, same basis. ton.130.75- —
bulk, c.l., works ton.70.00 - —
crystals 99½%, bgs., c.l., works. ton.67.25 - —
ton lots ex whse. N. Y. or Chi ton.115.00- —
less ton lots, same basis. ton.120.00- —
bbls., c.l., works ton.91.75 - —
ton lots ex whse. N. Y. or Chi ton.139.50- —
less ton lots, same basis. ton.144.50- —
gran., 99½%, bgs., c.l., works ton.41.25 - —
less ton lots, same basis. ton.89.00 - —
ton lots ex whse. N. Y. or Chi ton.94.00 - —
bbls., c.l., works ton.65.75 - —
ton lots ex whse. N. Y. or Chi ton.113.50- —
less ton lots, same basis. ton.118.50- —
bulk c.l., works ton.35.75 - —
powder 99½%, bgs., c.l., works. ton.46.25 - —
ton lots ex whse. N. Y. or Chi ton.94.00 - —
less ton lots, same basis. ton.99.00 - —
bbls., c.l., works ton.70.75 - —
ton lots ex whse. N. Y. or Chi ton.118.50- —
less ton lots, same basis. ton.123.50- —
Borax packed in kgs., $45.50 per ton higher than in paper bgs. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .18 - .24
l.c.l. same basis lb. .19 - .26
Borneol, cns. lb. 2.85 - 4.50
Borontrifluoride gas, cyls., truckload works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic extract).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000-lb. lots, same basis lb. .27 - —
dms., lead-lined, dlvd lb. .25 - —
Bromoform, pharmaceutical grade, bots. lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (See A).
Gold, litho, cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms., works lb. .80 - .85
Broomtop, bls lb. .30 - .35
Brown, iron oxide, pure, bgs., c.l., works lb. .13¾- —
l.c.l., works lb. .14 - —
Oxide, metallic, bgs., works lb. .04 - —
Sap, crystals, bgs. works lb. .12 - —
powdered bgs lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½ .15½
raw, paper, bgs., c.l., works lb. .04½ .13
l.c.l., works lb. .04¾ .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 —
l.c.l., works lb. .06¼- .07
Turkey type, bgs., c.l. Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¾- —
l.c.l., works lb. .07 - —
raw, American bgs. works lb. .06¼ .06½
Turkey-type, bgs., works lb. .06¾- .07
Vandyke bbls., works lb. .09½- .12
Brucine, cns., 100-oz. lots oz. .20 - .35
Sulphate NF, cns., 100-oz. lots oz. .15 - .30
Bryonia root, bls lb .22 - .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .17
cut and sifted, bls lb. .18 - .23
Berries, bgs lb. .80 - .90
Burdock root, bls lb. .22 - .26
Butadiene, refined, cyls., refinery lb. .22 - —
tanks, refinery lb. .19 - —
Butane, indust., tanks, group 3 gal. .03½- —
Butternut bark, bls lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld lb. .14¾- —
l.c.l. same basis lb. .15½- —
tanks, same basis lb. .13 - —
synthetic, normal, dms. c.l., dlvd. E lb. .14¾- —
l.c.l. same basis lb. .15½- —
tanks, same basis lb. .13 - —
secondary, dms. c.l. dlvd E. lb. .12½- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
tanks, dlvd lb. .20¾- —
Chloride, dms., c.l., works lb. .37½- —
l.c.l., works lb. .38 - —
Ether (see Ether butyl)
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .34¾- —
l.c.l. same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Laurate, dms. works lb. .39 - —
Methacrylate, normal, dms., less truckloads works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms lb 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms. l.c.l., frt. equald lb. .24 - .27¼
Butylamine (see Mono-, Di- or Tri-).
Butyric ether (see ethyl butyrate).

C

Cacao butter (see Cocoa butter)
Cadmium iodide, jars lb. 6.75 - 7.05
Metal, ingots or sticks, cs., dlvd. lb 2.00 - —
Stearate, ton lots lb. 1.42 - —
smaller lots lb. 1.44 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 2.80 - —
anhydrous, dms lb. 3.00 - —
synthetic, USP, cryst., dms., 100 lbs. or more lb. 2.80 - —
anhydrous, dms., 100 lbs. or more lb. 3.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.35 - —
Calamine, USP, dms lb. .34 - —
Calamus root, dom., natural, bgs. lb .25 - .30
imported, bleached, bls lb. 70 Nom.
stripped, bls lb. .30 .40
Calciferol, cryst., vials, 1 kilo lots, works gram. .80 - —
25 to 100 gram lots, works, gram. .90 - .95
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¼ —
Calcium arsenate, dealers, dms., c.l., whse. works, frt. alld. on 96 lbs. or over lb. .09 - .10
l.c.l., same basis lb. .10 - .11
Bromide NF jars lb .90 .93
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 —
Carbonate (see Chalk and Whiting).

MgO

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Calcium Chloride—Chlordane

Calcium chloride, cryst., purified, bbls., jars..lb .28 - —
flake, 77-80%, paper bgs., c.a. works, frt. equald ton.25 00 - —
liquor, 40%, tankcars, works, frt. alld ton.10 50 - —
pellets, bgs., c.l., works ton 31 25 - —
powder, bgs., c.l., works ton 35 65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
t.c.l., works, same basis ton.32 00 -69 00
USP gran, bbls lb. 30 —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide dms, divu E of Rockies, lb. .24 .50
Gluconate, AA, bbls., dms .... lb. .70 - .72
USP, bbls., dms ..... lb. .63 - .65
Glycerophosphate, NF, fib. dms, lb. 2.00 - 2.15
Hydride, dms., works .... lb. 3.20 4.00
Hydrochlorite high test, cns., cased (45 lbs.) dlvd. E of Rockies cs.21 00 -23.00
dms., 100-lb. lots, same basis, dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb .90 .93
Iodide, jars ..... lb. 4.52 - —
Lactate, USP dms., 10,000-lb lots or more, works lb .40 —
smaller lots, works lb .41 .48
Mandelate, USP, dms., works lb 2.10 2.25
Naphthenate, liq. 4% Ca, dms., frt. equald lb. .27¼- —
Nitrate, tech., bbls., works .. lb. .13 - —
fertilizer grade, bgs., c.l., Los Angeles ton 49.25 - —
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —

Calcium para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted..lb. 7.00 - —
smaller lots, same basis.... lb. 7.05 - 7.50
Phenolsulphonate, dms ..... lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
t.c.l. 100 lbs. 7.60 - 7.95
feed grade, bgs., c.l., works, ton.80.00 -90.00
t.c.l., bgs., works ..... ton.85.00 -95.00
monobasic, bgs., 10,000-lb., lots, works frt. equald..lb. 6.40 - —
smaller lots, same basis..lb. 6.90 - —
tribasic, precip., NF, bgs., c.l., works..110 lbs. 7.60 - —
t.c.l., works .....100 lbs. 7.95 - —
Phytate, bgs., works.....lb. .28 - —
Resinate, precip., dms. frt. alld., works..lb. .27¾- —
Silicate hydrated bgs., c.l., works, lb. .06 - —
t.c.l., works ..... lb. .06½- —
Stearate, ctns., c.l. ..... lb. .35 - —
ton lots ..... lb. .36 - —
less ton lots ..... lb. .37 - —
Sulphate (see Gypsum)
Calcium-strontium sulphide, phosphorescent steel pails, 100 lb. to 999 lb lots, works..lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.65 - 3.75
Calendula flowers, bls ..... lb. .50 - .65
Calomel, USP powd. dms ..... lb. 4.02 - 4.05
Camphene, 46° m.p., dms. incl., c.l., works lb. .1930- —
t.c.l., same basis ..... lb. .1980- .2115
tanks, same basis ..... lb. .1660- —
Chlorinated, 67-69% (see Toxaphene).

Camphor monobromated, NF, dms., kgs lb. 3.00 - 3.12
natural, USP, powd., 100-lb. lots, bbls lb. .48 - .50
tablets, 1-oz., ½-oz. cs ..lb. .63 - .65
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½- —
smaller lots..... lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots lb. .57 - —
1,000-lb. lots..... lb. .58 - —
smaller lots..... lb. .59 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots..... lb. .91 - —
smaller lots..... lb. .92 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb. .25 - .33
Cantharides, Chinese, cs..... lb. 2.00 - 2.05
powd., bxs. ..... lb. 2.25 - 2.30
Russian, bgs. ..... lb. 4.00 - 4.05
powd., bxs. ..... lb. 4.35 - 4.40
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper, dms lb. 4.25 - 5.75
from African pepper, dms lb. 4.75 - 6.25
Caramel coloring, NF, bbls....gal. 1.05 - 1.20
Caraway seed, Dutch, bgs. ..... lb. .09¼- .09½
Carbazole, 97%, bbls., ton lots, works lb 1.25 - —
steel-dms., same basis..... lb. 1.20 - —
Carbinol, methylisobutyl, dms., c.l., dlvd..lb. .14¾- —
t.c.l., same basis..... lb. .15½- —
tanks, same basis..... lb. .13 - —
Carbon bisulphide, 55-gal. dms., c.l., works, frt. alld ... competitive points..lb. .0750- —
t.c.l., same basis..... lb. .0850- —
5-gal. dms., c.l., same basis..lb. .1025- —
t.c.l., same basis..... lb. .1125- —
tankcars same basis..... lb. .0525- —
Dioxide, industrial, wholesale, cyl lb. .08 - —

Carbon tetrachloride, CP, dms., works..lb. .11 - .13¾
NF, chys..... lb. .17 - .18
tech., dms., c.l., E. of Rockies, frt. alld..lb. .0925- —
W of Rockies, f.o.b. stock-points..lb. .0975- —
t.c.l., E. of Rockies, frt. alld, lb. .115 - —
W of Rockies, f.o.b. stock-points..lb. .12 - —
tanks, E. of Rockies, frt. alld, lb. .0625- —
W of Rockies, f.o.b. stock-points..lb. .0875- —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works ..... lb. 4.10 - 4.75
Cardamom fruit, bleached, A, cs., afloat..lb. 2.50 - 2.65
medium, cs. ..... lb. 3.20 - —
decorticated, Alleppey, cs....lb. 1.95 - —
Guatemalan, cs. ..... lb. 1.72 - —
Mangalore type, cs. .....lb. 1.95 Nom.
green, Alleppey, bgs.....lb. 1.28 - 1.30
Ceylon, bgs. ..... lb. 1.28 - 1.30
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more, dlvd..lb. 6.50 - —
smaller lots, dlvd.....lb. 6.65 - 7.15
Carotene, technical, 1,350,000 A units per gram, tins, works gm. .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units, per lb., dms., works, million units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works, million units. .33 - —
Carvol, bots. ..... lb. 6.25 - 9.65
Cascara sagrada, bark, bulk .....lb. .29 - .30
Casein, dom., acid-precip, standard, bgs., 10,000-lb. lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb. lots or more, ship't point lb. .35 - .40
imported, Argentine, acid-precip., grd., 100-bg. lots or more, duty paid lb. .16 - .17¼
Cashewnut shell liquid, treated dms., c.l., Newark, N. J lb. .22 - —
ton lots, same basis ...lb. .23 - —
dm. lots, same basis ...lb. .25 - —
Cassia, Batavia, cuttings, bls.....lb. .14½- .15
longstick ..... lb. .18 - .18½
shortstick, bls ..... lb. .16 - .16½
China, Canton, Kwangsi rolls, select, cs lb. .35 - .35½
broken, bls. ..... lb. .33 - .33½
Honan, Yunnan, scraped, bls.lb. .28 Nom.
unscraped, bls .....lb. .27½ Nom.
Saigon, broken, bls. .....lb. .40 - 45
medium, bls. .....lb. .43 - .47
thin, bls .....lb. .60 Nom.
Cassia, buds, bgs.....lb. 1.65 Nom.
Fistula, bskts .....lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.140.00 Nom.
Oil (see Oil, castor)
Pomace, bgs., c.l., works....ton.32.00 - —
Castoreum artificial, cns ..... lb 9.00 9.25
natural, cns..... lb. 7.10 -30.00
Catechol, CP, cryst., fib. dms., works lb. 2.17½- —
resublimed dms., works ..... lb. 4.29½- —
Catnip leaves, southern, bls.....lb. .70 Nom.
Celery seed, French, bgs. .....lb. .45 - —
Indian, bgs. .....lb. .25 - .30
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., dlvd. lb. .40 - .45
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .52 - —
t.c.l. same basis lb. .53 - .59
molding, composition, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .48 - —
t.c.l., same basis lb. .49 - .55
reprocessed black, dms., t.c.l., same basis lb. .43 - .49
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works..lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —
27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity same basis lb. .54 - —
50% butyryl content, standard cartons, works. lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., t.c.l., frt. alld lb. .64 - .71
reprocessed, black, dms., t.c.l., same basis lb. .52 - .53
Triacetate, flake, ctns., works, frt. alld. on 100-lb. lots or more lb. .50 - —
Cerium hydrate, 74% CeO_2, fib dms., 100-lb lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.05 - —
Oxide, optical grade, bgs., 50-lb. lots or more, works lb. 1.85 - 1.98
smaller lots, works lb. 2.03 - 2.23
Chalk, precip., cosmetic, dentifrice, drugs, bgs. c.l. works lb. .0295- .035
t.c.l. ex whse ..... lb .0395- .05
paint, bgs. c.l. works ... ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 -40.00
rubber makers, bgs. c.l., works, ton.55.00 -60.00
Chamomile flowers, Hungarian style, cs lb. .90 - 1.00
Roman, cs..... lb. 1.00 - 1.15
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works ..... lb. .26½- .32½
smaller lots, works..... lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.77.00 -88.00
granular, bgs., works ..... ton 77.00 - —
bulk, c.l., works.....ton.70.40 - —
Pinewood, gran., powd., bgs., c.l., works, South ton.43.50 - —
t.c.l., works, South ton.43.50 -53.50
lump bgs., c.l., works, South.ton 40.00 —
t.c.l., works, South ton.50.00 -60.00
bulk, c.l., works, South ton.33.50 - —
Chestnut extract, 25% tannin, bbls., c.l., works..lb. .0530- —
t.c.l., works ..... lb. .0565- —
tanks, works .....lb. .0440- —
powd., 60% tannin, bgs., extra, c.l., works..lb. .1128- —
t.c.l., works ..... lb. .1200- —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
t.c.l., works ..... lb. .24 - —
tanks, works ..... lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots ..... lb. 1.33 - —
100-lb. lots or less ..... lb. 1.25 - 1.40
Chloramine T, NF, bbls., works..lb. .75 - 1.00
Chlordane, agricultural, dms., pails, c.l., frt. alld lb. .65 - —
t.c.l., frt. alld..... lb. .66 - .73
refined, dms., c.l., frt. alld lb. .75 - —
t.c.l., frt. alld..... lb. .76 - .83

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l.c.l.	lb.	.14¾	—
70%, dms., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.19	—
Rubber, 5, 10, 20 cpts., ctns., c.l., works.	lb.	.55	—
l.c.l., works	lb.	.57	—
125, 1,000 cps., ctns., c.l., works	lb.	.60	—
l.c.l., works	lb.	.61	.62
Chlorine, liquid, cyls., c.l., works, frt. equald.	lb.	.0825	.1125
l.c.l., N. Y. stock points	lb.	.1025	—
tanks, single units, works, frt. equald.	100 lbs.	2.93	—
multiple units, 3 cars, works, frt. equald.	100 lbs.	3.80	—
2 cars, same basi.	1002lbs.	5.00	—
1 car, same basis	1002lbs.	6.00	—
Chloroform, tech., dms., c.l., divd. E	lb.	.18	.182
l.c.l., same basis	lb.	.192	.20
tanks, same basis	lb.	.17	.171
USP, dms	lb.	.30	.35
Chloro-amino-toluidine	bbls.	lb. 1.38	—
Chlorophyll, oil soluble, 4%, not fixed, tins, pails, works	lb.	4.25	—
copper fixed, 6½%, tins, pails, works	lb.	4.25	—
sodium-copper, aqueous sol., 4%, dms., pails, works	lb.	3 75	—
8%, pails, dms., works.	lb.	4.00	4.80
14%, dms., works	lb.	8.90	—
concentrated, dom., 50%, dms., works, basis 100%.	lb.	55.00	-60.00
75%, dms., works, basis 100%	lb.	60.00	—
90%-100%, dms., works, basis 100%	lb.	60.00	-67.00
Concentrated, imported, 60%, tins, basis 100%	lb.	58.00	—
90%, tins, basis 100%	lb.	58.00	—
75%, tins, basis 100%	lb.	58.00	—
Chloropicrin, com'l, bots	lb	1.50	—
cyls., 180 lbs. frt alld	lb	.95	—
100 lbs. same basis	lb	97	—
25 lbs., same basis	lb	1.22	—
Cholesterol, USP, fib dms., 100-lb lots	lb.	6.85	—
Choline bitartrate, fib, dms., frt. adjusted	lb.	1.50	1.75
Chloride fib. dms., frt. adjusted.	lb.	1.50	1.75
Dihydrogen citrate, fib, dms., frt. adjusted	lb.	1.50	1.75
Chromium acetate powd 72% Cr., bbls., works	lb.	No stocks.	
solut., 7½% bbls. works	lb.	.08½	—
cbys. works	lb.	.10¼	—
8½%, bbls. works	lb.	.09	—
cbys works	lb.	.10¾	—
Fluoride bbls., works	lb.	.51	.52
Green (see Green, chromium oxide)			
Oxide (see Green, chromium oxide)			
Oleate, solid, bbls	lb.	.49	—
Trioxide NF bots	lb	.82	.89
Yellow, (see Yellow, chrome).			
Chrysarobin, USP, bots	lb	6.50	8.00
Cinchona bark, NF, red, broken, bgs	lb.	.28	.30
yellow, broken, bgs	lb.	.28	.30
Cinchonidine, cryst., cns, 100-oz. lots.	oz.	.65	—
Sulphate, cns., 100-oz. lots	oz.	.37	.40½
Cinchonine cryst., cns., 100-oz. lots.	oz.	.52	.57
Sulphate, NF, cns., 100-oz. lots	oz.	.27½	.30½
Cinchophen, NF, heavy density, dms., frt. adjusted	lb.	3.70	4.05
standard density, dms., same basis	lb.	3.50	3.85
Cinchophen-sodium, dms., frt. adjusted	lb.	4.50	4.85
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, NF, cns., dms	lb.	1.00	1.30
Cinnamon, Ceylon, No. 2, bls	lb.	.28	.29
"0000," bgs.	lb.	.41	.41½
Citral bots., cns	lb.	3.20	3.75
Citronellal, bots., dms	lb.	1.50	2.00
Citronellol bots., dms	lb.	1.75	2.20
Civet, artificial, bots	lb	13.75	-15.00
natural, bots	oz.	4.75	-10.00
Clay, ball, dom., crushed, bulk, Tennessee	ton.	10.00	-12.00
airfloated bgs. c.l., Tennessee	ton.	19.50	—
purified, bgs. c.l., Tennessee	ton.	20.50	—
imported, lump, bulk, Atlantic port	long ton.	27.00	-30.00
airfloated, bgs., c.l., Atlantic port,	long ton.	43.00	-45.00
pulverized, bgs., l.c.l., all ports	ton.	55.00	—
97%, 200 mesh, bgs., c.l., Georgia	ton.	54.00	-56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works	ton	11.50	-14.50
l.c.l., works	ton	35.30	—
bulk, c.l., works	ton	8 50	-11 50
200 mesh bgs., c.l., works	ton.	13.50	-17.00
imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me	gross ton	20 00	-40 00
powd., bgs., c.l., ex dock	net ton.	50.00	—
l.c.l., ex whse	net ton	60 00	-65 00
Clove, Ceylon, bls.	lb.	1.43	- 1.45
Zanzibar, bls	lb.	1.44	- 1.46
Clover, tops, red, bgs	lb.	.45	.50
CMC, purified, high vis. (see Gum cellulose).			
standard low vis., bgs., 23,000 lbs. or over, works, frt alld.	lb.	.60	—
smaller lots, same basis	lb.	.62	—
medium vis. bgs., 23,000 lbs. or over works, frt. alld	lb.	.57	—
smaller lots same basis	lb.	.59	—
technical high vis., 58% purity, bgs., 20,000 lbs. or more, divd. E., 100% basis	lb.	.56	—
2,000 to 20,000 lbs. divd. E.	lb.	.58	—
less than 2,000 lbs. divd E.	lb.	.62	—
low vis., 80% purity, bgs., or fib. dms., 23,000 lbs. divd. E., basis 100%	lb.	.41	—
less than 23,000 lbs. divd. E., basis 100%	lb.	.43	—
62% purity, bgs., or fib. dms., c.l., divd. E., basis 100%,	lb.	.41	—
l.c.l., divd. E., basis 100%,	lb.	43	—
58% purity, bgs., c.l., divd. E. basis, net weight	lb.	.34	—
l.c.l., divd. E	lb.	.36	—
47½% purity, c.l., divd., E., basis 100%	lb.	.41	—
l.c.l., divd E	lb.	.43	—
36½% purity, bgs., c.l., divd. E., basis net weight	lb.	.13½	—
l.c.l divd E	lb	.20	—

Prices for technical grades of CMC W. of the Rockies are 1c. per lb. less than divd. E prices

Coaltar, crude, resale dms., c.l., ex-whse	gal.	.275	.3025
l.c.l., ex-whse.	gal.	.285	.3135
tanks, ex-whse.	gal.	.154	.165
refined, resale, dms., c.l., ex-whse.	gal.	.2850	.3135
l.c.l., ex-whse	gal.	.2950	.3245
tanks, ex-whse	gal.	.1650	.1760

Cobalt acetate, 23.7% bbls., divd	lb.	1.14¾	—
Carbonate, 48%, powd., bgs., divd	lb.	1.92½	—
Chloride, 24.2% Co., kgs., divd.,	lb.	1.10½	—
Hydrate, 60-61% Co., bbls., divd.	lb.	2.52	—
Linoleate, fused, 8½% Co., dms.	lb.	.72	—
liquid, 6% Co., dms	lb.	.53¾	—
Metal, 97 99% kgs., ex-whses	lb.	2.40	—
Naphthenate, liquid, 6% Co., dms.,	lb.	.45¾	—
Nitrate, 20.1% Co., bbls., divd	lb.	.99¼	—
Oxide, black, 70-72% Co., kgs	lb.	1.76	—
Phosphate, powdered, 32.1% Co., kgs., divd	lb.	1.57¾	—
Resinate, fused, 3% Co., dms	lb.	.27	—
Sulphate, cryst., 21% Co., dms., divd	lb.	.81½	—
monohydrated, 33% Co., dms. divd	lb.	1.28½	—
Tallate, 6% Co., dms.	lb.	.42½	—
Cocaine, USP, cns., 100-oz. lots	oz.	15.00	—
Hydrochloride, cns., 100-oz. lots.	oz.	11.75	—
Cochineal USP gray ogs	lb.	.68	.90
Cocillana bark, bgs	lb.	.16	.17
Cocoa butter, bgs	lb.	.67	—
Codeine, NF, cns 100-oz. lots	oz.	13.25	—
Hydrochloride, cns., 100-oz. lots.	oz.	11.75	—
Phosphate, USP cns., 100-oz. lots.	oz.	10.25	—
Sulphate, USP cns. 100-oz lots.	oz.	10 75	—
Codliver oil (see Oil codliver).			
Cohosh root, black, bls	lb.	.20	.24
Blue, bls	lb.	.19	.24
Colchicine USP bots. cns	oz.	65 00	-70.00
Colchicum root, bls	lb.	45	.60
Seed bgs	lb.	80	1.10
Collodion USP dms	lb.	.32½	—
flexible USP dms	lb.	.34	—
Colocynth, pulp, bls	lb.	.25	.30
Colombo root, bls.	lb.	.18	.20
Coltsfoot leaves ogs	lb.	.25	.30
Condurango bark bgs	lb.	.17	.18

Copaiba balsam, cns., dms	lb.	.85	- 1.15
Copper acetate, bbls., c.l. works	lb.	.34¾	—
l.c.l., works	lb.	.35¾	—
Carbonate, 55%, bgs., works	lb.	.263	- .278
Chloride, anhyd., bbls., works	lb.	.41	—
crystals, bbls., works	lb.	.27½	—
Cyanide tech., bbls., 1,000-lb. lots or more	lb.	.619	—
less than 1,000-lb. lots	lb.	.639	—
Gluconate cns. dms	lb.	3.00	3.24
Hydrate, dms. frt alld E. Miss.	lb.	.40¼	.40¾
Metal, electrolytic	lb.	.29¾	.30
Naphthenate, liquid 8% Cu, dms., frt. alld	lb.	.23¾	—
Nitrate, tech. cryst. bbls., works.	lb.	.25¼	—
Oleate, solid, 9% Cu, dms., works	lb.	.45	—
Oxide, black, bbls., works	lb.	.39	- .47½
red, com'l, bbls., works	lb.	.42½	- .49½
Oxychloride, bls., frt. alld	lb.	.40	- .50½
Quinolinolate, fib. dms	lb.	4.25	- 4.50
Resinate, precip., dms., frt. alld.	lb.	.27¼	—
Stearate, bgs., 5 ton to c.l., divd.	lb.	.37½	—
ton lots, divd	lb.	.38½	—
less ton lots, divd	lb.	.39½	—
Sulphate, cryst., 99%, bgs., c.l., works	100 lbs.	10.35	—
l.c.l.	100 lbs.	10.60	-11.35
CP, gran., bbls., works	lb.	.1715	—
monohydrated, 35%, dms., c.l., works	100 lbs.	17.10	-17.85
tribasic, dealers, bgs., c.l. works, frt. alld	100 lbs.	22.50	—
l.c.l., works	100 lbs.	23.00	-24.50
USP, gran., cryst., dms	lb.	.1715	—
Undecylenate dms.	lb.	2.90	3.00

Chlorinated Paraffin—Cream of Tartar

Copperas, gran. bgs., c.l., works	ton.	34.50	—
l.c.l., divd. Metro area	100 lbs.	3.35	- 4.25
bbls., c.l., works	ton.	40.00	—
bulk, c.l., works	ton.	27.00	—
Copra, Atlantic, Gulf ports, c.i.f.	ton.	195.00	—
Pacific ports, c.i.f.	ton.	190.00	—
Coriander seed, Argentine, bgs	lb.	.13	Nom.
Czech, bgs	lb.	.07	Nom.
Moroccan, bgs.	lb.	.08	- .08¼
Roumanian, bgs.	lb.	.08	Nom.
Corn sugar tanners, chipped, paper bgs., c.l. 60,000 lbs. min.	100 lbs.	7.31	—
Syrup, 42°, dms., c.l.	100 lbs.	7.32	—
t.c.l.	100 lbs.	7.47	—
Cornsilk, bls	lb.	.14	- .15
Corrosive sublimate, NF, cryst., dms., 50-lb lots or more	lb.	3.68	—
gran. powd., dms., 50-lb. lots or more	lb.	3.53	—
Cottonroot bark, bls	lb.	.24	.25
Cottonseed hull ash, 32-36% potash, bgs., divd., unit-ton.		1.50	—
Meal, 41% expeller, sacked, Memphis	ton.	62.00	-63.00
solvent, same basis	ton.	60.50	—
Coumarin cryst. NF, cns.	lb	2.94	3.15
powd. cans	lb	3.20	3.25
Cramp, bark, NF, bls	lb.	.80	- .90
Cranesbill root, bls	lb.	.40	.41
Cream of tartar, NF, dom., gran. or powd., dms., c.l	lb.	.32	—
bbls. 5,000 lbs. one shipment	lb.	.32½	—
smaller lots, bbls., kgs	lb.	.33	.36
imported, kgs.	lb.	.24	- .25

a new film former—

HALF-SECOND BUTYRATE

Eastman announces the production of a low viscosity cellulose acetate butyrate.

For the first time the protective coating industry can take advantage of the outstanding characteristics of cellulose acetate butyrate in a form that permits its use in formulations requiring a high non-volatile content. The high solubility of half-second butyrate, plus its slow viscosity build-up in economical solvents such as toluene and ethyl alcohol open up entirely new fields to this unique cellulose polymer.

Safely shipped and easily handled as a dry powder, half-second butyrate produces films of low color and high clarity with excellent strength and flexibility at both normal and low temperatures. Extremely stable in the presence of ultraviolet light, half-second butyrate films retain their initially low color, high strength and flexibility for long periods, both indoors and out. No other easily sprayable film former exhibits these characteristics to such a high degree.

In addition half-second butyrate films possess excellent abrasion resistance and are little affected by prolonged underwater immersion or rapid temperature changes.

Whether you are familiar with cellulose acetate butyrate or not, it will pay you to investigate half-second butyrate.

If you are concerned with the development or use of

WOOD FINISHES

METAL LACQUERS

PLASTIC FINISHES

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HEAT SEALING ADHESIVES

investigate Eastman half-second butyrate

We will be pleased to send you samples of half-second butyrate and formulation suggestions. Write to EASTMAN CHEMICAL PRODUCTS, INC., Chemicals Division, KINGSPORT, TENNESSEE.

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KINGSPORT, TENNESSEE

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Creosote Carbonate—Dimethyl Phthalate

Creosote carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .22 - —
solution, 80%, tanks, works, gal. .2068- —
refined, dms., c.l., works gal. .3850- —
l.c.l., same basis gal. .4510- —
tanks, same basis gal. .2970- —
Wood, beechwood, cbys., dms. lb 1.35 - 1.40
hardwood, bots., cbys lb. 1.05 - 1.10
pinewood, dms gal. .31 - .32
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt equald lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .1325- —
l.c.l., same basis lb. .1375- —
tanks, same basis lb. .120 - .1225
USP, non-ret. dms., c.l., same basis lb. .143 - —
l.c.l., same basis lb. .146 - —
ret. dms., c.l., same basis lb. .140 - —
l.c.l., same basis lb. .145 - —
tanks, same basis lb. .130 - —
Crotonaldehyde, 91-93%, l.c.l., works. lb. .24¼- .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs.10.50 - —
l.c.l., works 100 lbs.11.25 -11.50
Insecticide, dealers, bgs., c.l., dlvd 100 lbs.15.25 - —
l.c.l., dlvd. 100 lbs.16.25 - —
Cube root, powd., 5% rotenone, bgs., works lb. .22 - —
Cubeb berries, XX, NF, bgs lb. .50 - .51
powd., cs. lb. .58 - .59
Culvers root, bbls lb. .60 - .61
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .14 - .14½
Moroccan, bgs. lb. .22 Nom.
Syrian, bgs. lb. .17 Nom.
Turkish, bgs. lb. .14 - .14½
Cutch, extract, 55% tannin, bgs., ex dock, duty extra lb. .08¼- —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton.55.00 - —
pulv., 21% N, bgs., works unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., dlvd. gal. .70 - —
l.c.l., dlvd gal. .72 - —
tanks, dlvd gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
l.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l. lb. .33½- —
l.c.l., works lb. .35 - —
tanks, works lb. .32 - —
Cyclohexylamine, dms., c.l., works. lb. .46½- —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl.48.00 - —
6 oz cyls., works cyl.12.00 - —
USP, hospitals, cyls., 40-gal. lots gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2, 4-D, bbls., c.l., works, frt. equald. lb. .51 - —
l.c.l., same basis lb. .56 - .63
Isopropyl ester, dms., c.l., works. lb. .55 - —
l.c.l., works lb. .60 - .67
Damiana leaves, bls lb. .28 - .30
Dandelion root, bls lb. .35 - .40
DDD, tech., fine grd., fib dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
DDT, fiber dms., c.l., works, frt. equald lb. .23 - .26
smaller lots, same basis lb. .24 - .29
Decanol, normal, tech., dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd. lb. .32½- —
Deertongue leaves, bls lb. .42 - .43
Defluorinated phosphate, 13% P. paper bgs works ton.49.25 - —
18½% P. paper bgs. works ton.62.75 -63.75
Rock, 14½% P. paper bgs. works ton 50.00 - —
Degras, common, bbls lb. .17 - .20
neutral, less 2% ffa, bbls lb. .30½- .33
over 2% ffa., bbls lb. .30 - .32
Derris root, 5% rotenone powd., bbls lb. .26 Nom.
Desoxyepnedrine hydrochloride dextro, bots lb.25.00 - —
dextro-laevo, bots. lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., N Y 100 lbs 8.95 - —
l.c.l. 100 lbs 9.10 - —
canary paper bgs. c.l. 100 lbs. 8.69 - —
l.c.l. 100 lbs. 8.84 - —
dark, paper bgs., c.l. 100 lbs 8.79 - —
l.c.l. 100 lbs. 8.94 - —
Dextrin, corn, white, paper bgs., c.l. 100 lbs. 8.53 - —
l.c.l. 100 lbs. 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs. lb. .10½- .11
Dextrose USP dms lb. .17¾- —
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots lb. 4.50 - 5.50
laboratory grade, bots 100 grams. 4.50 - —
tech., bots. works lb 3.00 - —
Diamyl ether (see Ether, amyl)
Dianisidin, dms. lb. 2.00 - —
Diatomaceous earth, dom., bgs. c.l., Atlantic coast ton.52.00 -55.00
California ton.42.00 -45.00
l.c.l., ex whse ton.85.00 -90.00
purified, bgs., c.l., Atlantic coast ton.65.00 —
California ton.53.00 —
l.c.l., ex whse ton.95.00 -100.00
Atlantic coast ton.95.00 -100.00
Dibenzyl sebacate, CP, dms., c.l., works lb. .92 - —
l.c.l. works lb. .93¾- —
tanks, works lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .35¾- —
l.c.l., same basis lb. .36¾- —
tanks, same basis lb. .34 - .34½
Sebacate, dms., works lb. .81¾- .82¾
l.c.l., works lb. .82¼- .83¾
tanks, works lb. .80 - .81
Tartarate, dms., works, frt. alld lb. .71 - —
Dibutylamine dms, c.l., dlvd lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Dicaprayl phthalate, dms., c.l., dlvd. lb. .36¾- .38¼
l.c.l. dlvd lb. .37 - .39¼
tanks, dlvd lb. .35 - .37
Sebacate, dms., c.l., works lb. .68¼- —
l.c.l., works lb. .68¾- —
tanks, works lb. .66½- —
Dichloroaniln, dms., works lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .51 - —
l.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexylphthalate, fib, dms., c.l., frt. alld lb. .60 - —
l.c.l., same basis lb. .61 - —
Dieldrin, dms., frt, alld lb. 1.80 - —
l.c.l., frt, alld lb. 2.40 - —
Diethanolamine, dms., c.l., dlvd, E. lb. .29¼- —
l.c.l., same basis lb. .30¼- —
tanks, same basis lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
l.c.l., same basis lb. .47¾- —
tanks, same basis lb. .45 - —
Maleate, dms., c.l., dlvd lb. .50 - —
l.c.l., dlvd lb. .48¼- —
tanks, dlvd lb. .48¼- —
Oxalate, dms., c.l., frt. alld lb. .41¾- —
l.c.l. same basis lb. .42¾- —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .26¾- —
l.c.l., dlvd. lb. .27¼- —
tanks, dlvd. lb. .25 - —
Sulphate dms., c.l., works lb. .18¾- —
l.c.l. works lb. .19¼- —
tanks, works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50¼- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .48½- —
Diethylanilin, dms., c.l., frt. alld., lb. .51 - —
l.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Di-2-ethylhexyl phthalate (see Dioctyl phthalate).
Diethyleneglycol, dms., c.l., dlvd. E. lb. .20¼- —
l.c.l., same basis lb. .21¼- —
tanks, same basis lb. .18½- —
Boriborate, dms., l.c.l lb. .30½- —
Diethylether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Diethyleneglycol monobutylether, acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
Monoethylether, dms., c.l., dlvd lb. .20¼- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
Monomethylether, dms., c.l., works lb. .24¾- —
l.c.l., works lb. .25¼- —
tanks, works lb. .23½- —
Diethylenetriamine, dms., c.l., dlvd E. lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylethanolamine, dms., c.l., dlvd lb. .67½- —
l.c.l., same basis lb. .68½- —
tanks, same basis lb. .65¼- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo.110.00 - —
1 kilo lot kilo.120.00 - —
Digitalis leaves, USP, dom., dms. lb. .90 - 1.10
Digitoxin, USP, bots gram. 6.50 - 7.00
Diglycol laurate, dms. lb. .35½- .42
Oleate, dms lb. .28½- .29½
Stearate, dms lb. .25 - .26½
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
l.c.l., works lb. .77½- —
tanks, works lb. .74¾- —
Dihydrazine sulphate, dms, works lb. 1.10 - 1.25
Dihydrostreptomycin, either hydrochloride or sulphate, bulk. gram. .17 - —
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms. lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
tanks, dlvd lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .34¾- —
l.c.l dlvd. E lb. .35¾- —
tanks, dlvd., E lb. .33 - —
Di-isobutylene, dms., c.l., works lb. .09½- —
l.c.l., works lb. .10 - —
tanks, works lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .38¾- —
l.c.l. same basis lb. .39¾- —
tanks, same basis lb. .37 - —
Di-isopropylamine, dms., c.l., dlvd. E of Rockies lb. .49¾- —
l.c.l. same basis lb. .50¾- —
tanks, same basis lb. .48 - —
Dilliseed, dewhiskered, bgs lb. .11¾- .12
natural bgs lb. 11 - 11¼
Dimethyl anthranilate, cns lb. 5.25 - 5.75
Chloroacetal, dms., c.l. works lb. .53 - —
l.c.l. works lb. .55 - —
tanks works lb. 51 - —
Hydroquinone, dms. lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27½- —

Unlimited Capabilities

The Magi of old were held in great esteem because they were thought to have unlimited powers over all the forces of nature. They were the "good" magicians. Their opposites, sorcerers who practiced black magic, were believed to have power only over the forces of evil.

Like the Magi of old, Allyl Chloride offers unlimited capabilities for "good" in many fields. It is the key to Shell's synthetic glycerine, to Epon® resins, and other important products in the resin and plastics fields. It is an intermediate in the production of pharmaceuticals, insecticides and dyestuffs.

Allyl Chloride has many other interesting possibilities for new products . . . possibilities that await only your exploration.

Allyl Chloride

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Dimethyl sebacate, dms., c.l., works	lb.	1.31¾	-	—
l.c.l., works	lb.	1.32¾	-	—
tanks, works	lb.	1.30	-	—
Sulphate, 55 gal. ret. dms., c.l., works	lb.	15	-	—
l.c.l. works	lb.	.16	-	—
10-gal. ret. drums, l.c.l., works	lb.	.16½	-	—
Dimethylamine, 25-40%, dms., c.l.,	lb.	.26	-	29½
l.c.l., frt. alld.	lb.	.27	-	.30½
tanks, frt. alld.	lb.	.25	-	28½
Dimethylanilin, dms., c.l., frt. alld.	lb.	.29½	-	—
l.c.l., frt. alld.	lb.	.30½	-	—
tanks, frt. alld.	lb.	.28½	-	—
Dimethylethanolamine, anhydrous, dms., c.l., dlvd	lb.	1 43	-	—
l.c.l. dlvd	lb.	1.45	-	—
tanks, dlvd.	lb.	1.40	-	—
70%, dms. c.l., dlvd., basis 100%,	lb.	.54	-	—
l.c.l. dlvd.	lb.	.55	-	—
tanks, dlvd.	lb.	.52¼	-	—
Dimethylformamide dms., works	lb.	.34	-	—
tanks, works	lb.	.33	-	—
Dinitroanilin, dms., frt. equald	lb.	.57	-	—
Dinitronenzene crude dms	lb.	.20	-	—
purified dms	lb.	.22	-	—
Dinitrochlorobenzene dms., c.l., frt. alld E	lb.	.15¼	-	—
l.c.l. frt. alld E	lb.	.15¾	-	—
tanks, frt. alld E	lb.	.15	-	—
Dinitrophenol, bbls.	lb.	.37	-	—
Dinitrotoluene oily dms.	lb.	.10	-	—
refined, dms.	lb.	.21	-	—
Dioctyl adipate, dms., c.l., works	lb.	.44¾	-	.47¾
l.c.l., works	lb.	.45¾	-	.48¾
tanks, works	lb.	.43	-	.46
Phthalate, dms., c.l., frt. alld.	lb.	.39¾	-	—
l.c.l., frt. alld.	lb.	.39¾	-	—
tanks, frt. alld.	lb.	.37	-	—
Diorthotolylguanidin dms. ton lots, dlvd.	lb.	.57	-	—
smaller lots, dlvd.	lb.	.58	-	—
Dioxane, dms., c.l., works	lb.	.28¾	-	—
l.c.l., same basis	lb.	.29¼	-	—
tanks, same basis	lb.	.27	-	—
Dip oil (see tar acid oil)				
Dipentaerythritol, bgs. c.l., works,	lb.	.34	-	—
l.c.l. works	lb.	.37	-	—
Dipentene, dest.-dist., dms., extra, c.l., works	gal.	.49	-	—
l.c.l., works	gal.	.50	-	—
ex-whse.	gal.	.68	-	—
steam-dist., dms., c.l., works, South	gal.	.63	-	.72
dlvd., N. Y.	gal.	.82	-	.86
tanks, works, South	gal.	.50	-	.60
Diphenyl, bbls. c.l. works	lb.	.15	-	—
l.c.l., works	lb.	.16	-	—
Diphenyl in bags ¼c lower				
Oxide, perfume grade, cns	lb.	.54	-	.71
Phthalate, dms c.l. works	lb.	.51¾	-	—
l.c.l., same basis	lb.	.53¾	-	—
Diphenylamine refined, gran., bbls., c.l., works	lb.	.28	-	—
l.c.l. works	lb.	.30	-	—
tanks, works	lb.	.25	-	—
tech. tanks, works	lb.	.24	-	—
Diphenylguanidin, dms., ton lots	lb.	.48	-	—
smaller lots	lb.	.49	-	.50
Diphenylhydantoin-sodium USP, dms.	lb	5.30		5.60
Dipropyleneglycol dms., c.l., frt. alld	lb.	.16¾		.17
l.c.l., same basis	lb.	.17¾		.18
tanks, same basis	lb.	.15		—
Methylether, dms., c.l., dlvd. E	lb.	.20¾		—
l.c.l., same basis	lb.	.21¾		—
tanks, same basis	lb.	.19¼		—
Di-secondary-amylphenol, dms., c.l., works	lb.	.30¼	-	—
l.c.l., works	lb.	.33¼	-	—
tanks, works	lb.	.28¼	-	—
Di-tertiary-amylphenol, dms., c.l., works	lb.	.30¼	-	—
l.c.l., works	lb.	.33¼	-	—
tanks, works	lb.	.28¼	-	—
Di-tertiary butylmetacresol dms. c.l., works	lb.	.31	-	—
l.c.l. works	lb.	.32	-	—
tanks, works	lb.	.30	-	—
Di-tertiary butylparacresol, dms. c.l., works	lb.	.91	-	—
l.c.l., works	lb.	.93	-	—
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock	ton	70.00		72.00
Divinylbenzene 20-25%, dms., c.l., works	lb.	.20	-	—
l.c.l., works	lb.	.21	-	—
tanks, works	lb.	.19	-	—
40-50%, dms., basis 100%, c.l., works	lb.	1.00	-	—
l.c.l., basis 100%, works	lb.	1.15	-	—
Dodecylbenzene, d m s., c.l., frt. equald	lb.	.14½	-	—
l.c.l., same basis	lb.	.15½	-	—
tanks, same basis	lb.	.13½	-	—
Doggrass root, dom., cut, bls.	lb.	.26		.28
imp., cut, bls.	lb.	.26	-	.28
Dogwood bark, Jamaica, bls.	lb	11		.13
Dragon's blood, mass, cs.	lb	1.25		1.30
reeds, cs.	lb.	1.40		1.45
Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb lots dlvd:—				
Blue, FD&C, No. 1, cns	lb.	17.00		17.60
No. 2, cns	lb	17.00		17.60
Green FD&C, No. 1, cns	lb	17.00		17.60
No. 2, cns	lb.	22.20		22.85
No. 3, cns	lb.	35.25		35.90
Orange, FD&C, No. 1, cns	lb	4.65		4.75
No. 2 cns	lb	4.65		4.75
Red, FD&C, No. 1, cns	lb	4.55		7.85
No. 2, cns	lb	4.00		4.15
No. 3, cns	lb.	22.20		22.85
No. 4, cns	lb.	7.20		7.50
No. 32 cns	lb	5.30		5.40
Violet, FD&C, No. 1, cns	lb.	17.00		17.60
Yellow FD&C No. 1, cns	lb	10.50		11.05
No. 3, cns	lb.	3.30		3.40
No. 4, cns	lb	3.30		3.40
No. 5 cns	lb	4.00		4.10
No. 6 cns	lb	4.00		4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—				
Black, D&C, No. 1, cns	lb.	10.95		—
Brown, D&C, No. 1, cns	lb.	16.10		—
Green, D&C, No. 5, cns	lb.	16.10		—
No. 6, cns	lb.	16.10		—
No. 7 cns	lb.	14.80		—
Orange, D&C, No. 3, cns	lb.	10.95		—
No. 4, cns	lb.	20.05		—
No. 5, cns	lb	5.70		—
No. 10, cns	lb.	20.70		—
Red, D&C, No. 8, cns	lb	2.85		—
No. 9, cns.	lb.	2.85		—
No. 10, cns.	lb.	2.30		—
No. 11, cns.	lb.	1.85		—
No. 12, cns.	lb.	2.65		—
No. 17 cns.	lb.	10.95		—
No. 18 cns.	lb.	24.00		—
No. 19 cns.	lb.	15.45		—
No 21, cns.	lb	3.60		—
No. 22, cns.	lb.	10.95		—
No 25, cns.	lb.	24.65		—
No. 33 cns.	lb.	17.45		—
Violet, D&C, No. 2, cns	lb	16.10		—
Yellow D&C, No. 7, cns	lb	10.95		—
No. 10, cns	lb	13.50		—
No. 11, cns	lb.	13.50		—
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb lots works, 25-50 lb lots dlvd:—				
Blue Ext. D&C, No 1, cns	lb	16.10		—
Green Ext. D&C, No 1 cns	lb	16 10		—
Red Ext., D&C, No. 1, cns	lb.	13.50		—
Yellow, Ext. D&C, No 1, cns	lb.	10 95		—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.				
20 Chrysoidine Y	lb.	.74	-	—
27 Fast light orange 2G	lb.	.90	-	—
31 Phloxine 2G	lb.	.74	-	—
36 Yellow 2G	lb.	.83	-	—
40 Orange R extra, conc	lb.	1.06	-	—
57 Fuchsine 6B	lb.	1.08	-	—
79 Scarlet 2R	lb.	.81	-	—
151 Orange AD	lb.	.55	-	—
161 Orange RR	lb.	.66	-	—
176 Fast red A	lb.	.99	-	—
179 Rubine XX, conc	lb.	1.14	-	—
180 Blue F4B	lb.	.92	-	—
185 Brilliant scarlet 3RN, conc	lb.	.93	-	—
202 Chrome blue black, conc	lb.	.75	-	—
203 Chrome black T	lb.	.78	-	—
208 Fast blue SR	lb.	.91	-	—
216 Chrome red B	lb.	.84	-	—
234 Brown Y	lb.	.98	-	—
246 Blue black, extra, conc	lb.	.95	-	—
275 Milling red 3R, conc	lb.	2.03	-	—
289 Navy blue 3R, conc	lb.	1.19	-	—
299 Black F conc	lb.	1.54	-	—
304 Neutral black 2B, conc., 200%	lb.	2.01	-	—
326 Fast scarlet 4BNC	lb.	1.64	-	—
332 Bismarck, brown, RX, conc.	lb.	.95	-	—
365 Brilliant yellow, conc	lb.	2.57	-	—
382 Scarlet B	lb.	1.82	-	—
401 Diazo black, BHD	lb.	.68	-	—
406 Blue 2B, extra conc	lb.	1.07	-	—
419 Red FC conc	lb.	1.12	-	—
420 Brown M	lb.	.98	-	—
448 Red 4BX, conc	lb.	1.30	-	—
518 Diamine sky blue FF, extra, conc	lb.	1.50	-	—
561 Brown B	lb.	2.03	-	—
581 Direct black EB	lb.	.94	-	—
593 Green BY, conc	lb.	.72	-	—
596 Yellow Brown K extra	lb.	.91	-	—

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.				
620 Yellow 2G	lb.	1.01	-	—
639 Fast yellow 2G	lb.	1.79	-	—
640 Yellow XX	lb.	1.61	-	—
655 Yellow OX	lb.	2.04	-	—
657 Green V	lb.	2.10	-	—
662 Brilliant green G	lb.	2.79	-	—
667 Brilliant milling green 6B, conc	lb.	3.66	-	—
671 Blue, EG	lb.	1.70	-	—
681 Crystal violet powder	lb.	2.15	-	—
698 Violet 4BXN	lb.	1.74	-	—
720 Brilliant blue, BRG	lb.	1.88	-	—
729 Blue, B, conc	lb.	2.79	-	—
749 Red BX	lb.	4.33	-	—
814 Yellow, NN, Conc	lb.	3.11	-	—
841 Safranine GF, extra, conc.,	lb	3.19	-	—
865 Nigrosine, WSJ	lb.	.75	-	—
922 Blue GXX	lb.	1.71	-	—
978 Black GXCF conc	lb.	.32	-	—
1034 Alizarine red SC	lb.	2.59	-	—
1054 Alizarine blue SAPX	lb.	2.91	-	—
1078 Alizarine green CG, extra,	lb.	2.72	-	—
1083 Alizarine blue, black, B	lb.	2.33	-	—
1096 Golden orange, GFD, single paste	lb.	1.99	-	—
1099 Dark blue BO, single paste,	lb.	1.75	-	—
1101 Jade green N, double paste,	lb.	1.93	-	—
1106 Blue RS, double paste	lb.	2.96	-	—
1113 Blue BLFD double paste	lb.	2.25	-	—
1150 Olive R, single paste	lb.	1.10	-	—
1151 Brown R, single paste	lb.	1.76	-	—
1171 Indigo, synthetic, 20% paste	lb.	.23	-	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.				
1217 Orange RD single paste	lb.	1.65	-	—
p-4 Brown, PG	lb.	2.30	-	—
p-24 Gray L	lb.	1.60	-	—
p-14 Brown, EB	lb.	1.51	-	—
p-80 Diazo brilliant scarlet ROAD	lb.	2.79	-	—
p-202 Diazo black VJ, conc	lb.	1.74	-	—
p-244 Brilliant scarlet BN	lb.	1.31	-	—
p-313 Naphthol SWF	lb.	2.42	-	—
Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works.				
Black blue No 550	lb	81	-	—
Jet No 551	lb.	89	-	—
Brown R, conc.	lb	1 72	-	—
Orange R, brilliant	lb	90	-	—
Red 4 B, conc.	lb.	1.37	-	—
Yellow C	lb	1.18	-	—
FN, conc	lb	1.22	-	—
Dyes coaltar, for stains, spirit-soluble, 100 lb dms, sellers works:—				
Auramine O	lb	1.85	-	—
Black basic blue	lb	1 21	-	—
Jet	lb	1.21	-	—
Blue, methylene, 2 B, conc	lb.	1.71	-	—
Brown Bismarck R, conc	lb	95	-	—
Chrysodine, R, extra	lb.	60	-	—
Y extra	lb	64	-	—
Fuchsine conc	lb	3.08	-	—
Green, malachite conc	lb	2.10	-	—
Rhodamine, B	lb.	4.33	-	—
Safranine Y conc	lb	2.90	-	—
Violet, methyl 8	lb	1.10	-	—

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Morpholine
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Hydroxyethyl Morpholine

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Briefs

From recent literature

No. 4 in a Series

Copolymers of vinylidene chloride and ethylene oxide made by reacting the materials in an aqueous medium at moderate temperatures, usually from 35 to 60°C, using an emulsifying agent and polymerization catalyst are readily molded at 135°C. Unmodified vinylidene chloride polymer can only be molded above 180°C.

A fumigant consisting of ethylene oxide and ethylene dichloride may be used in the packaging of dried fruit to destroy the bacteria, molds, and yeasts without heat treatment. The application is made using small pervious cartons which are sealed in a larger master container.

Petroleum emulsions of the water-in-oil type may be resolved by subjecting the emulsion to the action of a demulsifier which is an oxyalkylation product of ethylene oxide and a hydroxyacetic acid-esterified ethylene oxide-modified phenol-aldehyde resin.

A water-insoluble hard resin is yielded by the reaction of ethylene oxide with petroleum hydrocarbon-insoluble pine wood resin. Ethylene oxide is gradually charged to an autoclave containing the pine wood resin and a sodium methylate catalyst. Agitation is used and reaction temperature is maintained at temperatures from 100 to 140°C.

These developments are abstracted from recent publications or U. S. patents. They may suggest applications of Jefferson Ethylene Oxide in your products or processes.

Dyes, Coaltar, for Stains, Water-Soluble—Furfural

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:
- Azo rubine R, extra, conc lb. 1.04 - —
- Black, acid blue B, extra lb. .86 - —
- Fast light, 3 G, extra lb. 2.04 - —
- Methanil, conc lb. .91 - —
- Orange Acid, Y, conc lb. .47 - —
- Scarlet, cryocsine, MOO lb. 1.45 - —
- Yellow azo, conc lb. .90 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

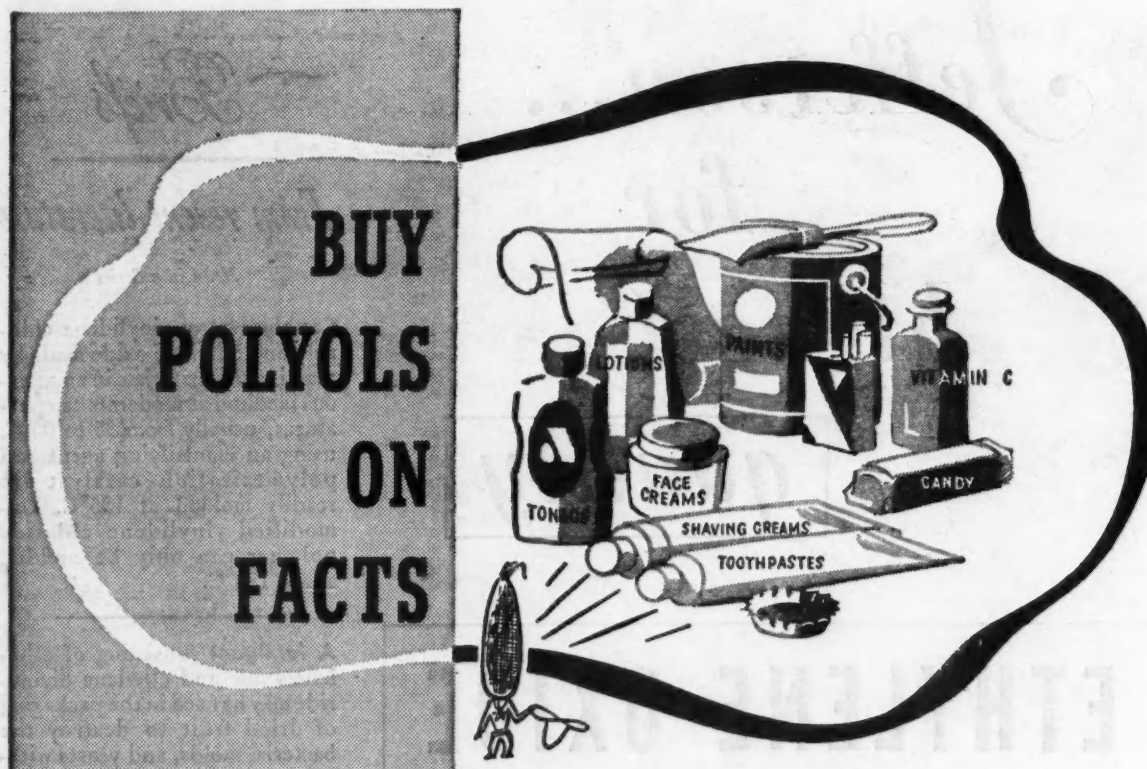
- Echinacea root, bls lb. .90 Nom.
- Egg albumen (see Albumen).
- Yolk, dried, dom., bbls lb. 1.15 - 1.17
- tanners bbls lb. .06 - .06½
- Elder flowers, bright, bls lb. .30 - .40
- Elecampane root, bls lb. .23 - .25
- Elm bark, grinding, cls lb. .28 - .29
- powd., bbls., bxs lb. .46 - .47
- select, bundles lb. .60 - .61
- Emetine hydrochloride, USP, bots., oz. 35.00 - 42.85
- Ephedrine, synthetic, USP, anhydrous bots., 100-oz. lots oz. .98 - 1.00
- hydrous, bots., 100-oz. lots oz. .82 - —
- Hydrochloride, tin, 100-oz. lots oz. .75 - —
- Sulphate, cryst., tins, 100-oz. lots oz. .72 - —
- powd., tins, 100-oz. lots oz. .73 - —
- Epichlorohydrin, dms., c.l., works lb. .38¾- —
- l.c.l., works lb. .39½- —
- tanks, works lb. .37 - —
- Epinephrine, synth., USP, bots., 100 grams gram .45 - .55
- Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
- l.c.l., works, 100 lbs. 2.90 - 2.15
- USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.10 - —
- smaller lots, 100 lbs. 2.35 - —
- Ergosterol, unirradiated, cryst kilo 150.00 - —
- Ergot, NF, dms., tin-lined lb. 2.75 - 3.10
- Eserine, bots oz. 45.00 -50.00
- Salicylate, USP, bots oz. 32.50 -34.00
- Sulphate, bots oz. 34.50 -35.50
- Ether acetate (see Ethyl acetate).
- Butyl, dms., c.l., works lb. .31½- —
- l.c.l., works lb. .32 - —
- tanks, works lb. .30 - —
- Butyric (see Ethyl butyrate).
- Dichloroethyl, refd., dlvd., dms., c.l., E lb. .14- - .14½
- l.c.l., same basis lb. .15 - .16
- tanks, same basis lb. .13 - —
- technical, dms., c.l., works lb. .13 - —
- l.c.l., works lb. .13½- —
- tanks, works lb. .12 - —
- Ethyl, absolute, ACS, dms lb. .37 - —
- anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
- ½-lb cns lb. .97 - —
- ¼-lb cns lb. 1.05 - —
- solvent, USP, dms., c.l., dlvd lb. .15¾- —
- l.c.l., same basis lb. .16¾- —
- tanks, same basis lb. .13¾- —
- synthetic, dms., c.l., dlvd. E lb. .1575- —
- l.c.l., same basis lb. .1675- —
- tanks, same basis lb. .1375- —
- Ether, isopropyl, dms., c.l., dlvd lb. .0675- .0850
- l.c.l., dlvd lb. .0750- .0938
- tanks, dlvd lb. .05 - .075
- Nitrous, cone., bots., 100-lb. tots lb. 1.28 - 1.35
- Vinyl, USP, anesthesia, bots., 50 cc, hospitals bot. 1.12 - —
- 75 cc, hospitals bot. 1.56 - —
- Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .12¾- —
- l.c.l., frt. alld lb. .13¾- —
- tanks, frt. alld lb. .11 - —
- 95-96% dms., c.l., frt. alld lb. .13 - —
- l.c.l., frt. alld lb. .13¾- —
- tanks, frt. alld lb. .11¼- —
- 99%, dms., c.l., frt. alld lb. .13¼- —
- l.c.l., frt. alld lb. 14 - —
- tanks, frt. alld lb. .11½- —
- NF, dms., frt. alld lb. .24 - .25
- synthetic, 85-90%, dms., c.l., dlvd. lb. .12¾- —
- l.c.l., dlvd lb. .13½- —
- tanks, dlvd lb. .11 - —
- 95-98%, dms., c.l., dlvd lb. .13 - —
- l.c.l., dlvd lb. .13¾- —
- tanks, dlvd lb. .11¼- —
- 99%, dms., c.l., dlvd lb. .13¼- —
- l.c.l., dlvd lb. .14 - —
- tanks, dlvd lb. .11½- —
- Acetoacetate, dms., c.l., dlvd lb. .55 - —
- l.c.l., dlvd lb. .56½- —
- Acrylate, dms., c.l., and truck load, works lb. .45½- —
- less than truckload, works lb. .46 - —
- tanks, works lb. .42¾- —
- Aminobenzoate, USP (see Benzocaine).
- Benzoate, cns., dms lb. .74 - 90
- Bromide, tech., 95%, dms lb. .43 - .47
- Butyrate, works lb. .80 - 1.02
- Ethyl carbamate (see Urethane).
- Chloride, tech., dms., c.l., works lb. .13 - .20
- cyls., c.l., same basis lb. .20 - .22
- tanks, same basis lb. .10 - —
- USP, bbls, cyls lb. .22 - .24
- Cinnamate, cns lb. 2.28 - 3.45
- Formate, dms lb. .60 - —
- Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
- Iodide, cbys., works lb. 3.39 - —
- Lactate, dms., works lb. .47½- —
- Methacrylate, dms., c.l., and solid, No. 1, bxs., l.c.l. lb. .45 - —
- less than truckload, works lb. .50½- —
- Nitrite (see Ether nitrous).
- Oenanthate, dms lb. 1.00 1.50
- Oleate, dms., l.c.l., works lb. No prices.
- Oxalate (see Diethyl oxalate).
- Silicate, dist. (see Tetraethyl orthosilicate).
- 40% available SiO, dms., works lb. .60½- —
- Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
- Ethylamine (see Mono-, Di- or Tri-).
- Ethylaniline (see Monoethylaniline).
- Ethylbenzene, 99%, dms., c.l lb. .14 - .20¼
- l.c.l. lb. .14 - .20¼
- tanks lb. .13 - .18½
- Ethylbutylketone, dms., c.l., works, lb. .35½- —
- l.c.l., works lb. .36 - —
- tanks lb. .34 - —
- Ethylcellulose, vis. 7 cps., bgs., 5,000 lb. lots or more, works lb. .70 - —
- smaller lots, works lb. .73 - .80
- vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, works lb. .63 - —
- smaller lots lb. .67 - .75
- Ethylene dichloride, dms., c.l., dlvd. E lb. .11¾- —
- l.c.l., same basis lb. .12¾- —
- tanks, same basis lb. .10 - —
- Ethylene dichloride prices W. of Rockies 1c per lb higher.
- Oxide, cyls., c.l., works lb. .26 - —
- l.c.l. works lb. .27 - —
- tanks, dlvd lb. .19 - —
- Trichloride (see Trichloroethane).
- Ethylenediamine, 85-98%, basis 100% dms., c.l., dlvd. E lb. .46 - —
- l.c.l., dlvd. E lb. .47 - —
- tanks, dlvd. E lb. .44 - —
- Ethyleneglycol, dms., c.l., dlvd. E lb. .18¾- —
- l.c.l. same basis lb. .19¾- —
- tanks, same basis lb. .17 - —
- Monobutylether, dms., c.l., dlvd. E lb. .21½- —
- l.c.l., dlvd. E lb. .22½- —
- tanks, dlvd E lb. .20 - —
- Monoethylether, dms., c.l., dlvd. E, lb. .20 - —
- l.c.l., dlvd. E lb. .21 - —
- tanks, dlvd. E lb. .18½- —
- Monoethylether acetate, dms., c.l., dlvd. E lb. .18¼- —
- l.c.l., dlvd. E lb. .19¼- —
- tanks, dlvd. E lb. .16½- —
- Monomethylether, dms., c.l., dlvd. E lb. .21½- —
- l.c.l., dlvd. E lb. .22½- —
- tanks, dlvd. E lb. .20 - —
- Monomethylether acetate, dms., c.l., dlvd. E lb. .28¾- —
- l.c.l., dlvd. E lb. .29¼- —
- tanks, dlvd. E lb. .27 - —
- Monostearate, dms lb. .30 - .31
- Ethylethanolamines, mixed, dms., c.l., frt. alld., E Miss lb. .42 - —
- l.c.l., same basis lb. .43 - —
- tanks, same basis lb. .40 - —
- Ethylmorphine hydrochloride, USP, bots oz. 11.85 - —
- Ethylorthotoluidin (see Monoethylorthotoluidin)
- Ethylvanillin, cns., 25-lb. lots lb. 6.75 - 7.30
- smaller lots lb. 7.35 - 7.40
- Eucalyptol, USP, cns., dms lb. 1.45 - 1.75
- Eucalyptus leaves, bls lb. .10 - .13
- Eugenol, pure, USP, bots lb. 2.40 - 3.65
- Euphorbia herb, bls lb. .12 - .14

F

- Feldspar, enamel, 100 mesh, bgs., works ton 20.00 -22.00
- Glass, 20 mesh, bulk, tons, works ton 11.75 -12.50
- Pottery, bgs., ton lots, works ton 20.00 -22.00
- bulk, c.l., works ton 18.00 -20.00
- Fennel seed, Czech, medium, bgs. lb. .15 - .15½
- light, bgs lb. .25 - .26
- French, bgs lb. .34 Nom.
- Syrian, light, bgs lb. .31 - .31½
- Fenugreek seed, Moroccan, bgs lb. .06 - .06½
- Ferric-ammonium citrate (see Iron ammonium citrate)
- Ferric cacodylate (see Iron cacodylate)
- Ferric glycerophosphate (see Iron glycerophosphate)
- Ferric hypophosphite (see Iron hypophosphite)
- Ferric sulphate (see Iron sulphate ferric)
- Ferrous gluconate, NF, dms lb. .86 - .87
- Fir, balsam, Canada, cns gal. 34.00 -35.00
- Oregon, bbls gal. 3.25 - 3.30
- Fishberries, bgs lb. .17 - .21
- Fishliver oil (see Oil, fishliver)
- Fishmeal, ground, domestic, 60% protein, bags, Balto area ton 135.00 - —
- Fishscrap, dried 60% protein, bags, Balto area ton 130.00 - —
- Fluorspar, dom., acid grade, bulk, c.l., mine ton 60.00 - —
- ceramic grade, 93-96% CaF_2, grd., bulk, mine, c.l ton 57.50 - —
- 85-92% CaF_2, grd., bulk, mine, ton 67.00 - —
- metallurgical grade, briquetts, pellets, 65%, CaF_2, bulk, works ton 34.00 - —
- lump, 59-65% effective CaF_2, bulk, mine, c.l ton 40.00 - —
- washed gravel, 59-60% effective CaF_2, bulk, mine, c.l., ton 40.00 - —
- 60-65% effective CaF_2, bulk, mine ton 40.00 -41.00
- 65-70% effective CaF_2, bulk, mine, c.l ton 42.00 - —
- 70% or better, effective CaF_2, bulk, mine, c.l ton 43.00 - —
- Formaldehyde, NF (inhibited), dms., c.l., E., works lb. .066 - —
- l.c.l., E, works lb. .071 - —
- tanks, E, works lb. .0450- —
- methanol-free (uninhibited), tanks, works lb. .0395- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

- Fleaseed (see Psyllium seed).
- Fringetree bark, bls lb. .60 - .61
- Fuller's earth, dom., powd., bgs., Fla., mines ton 21.25 - —
- Georgia mines ton 17.00 -18.00
- Texas mines ton 16.00 - —
- spent, f.o.b. shipt. pt ton 4.50 - 5.00
- imported, bgs., c.l ton 42.00 - —
- Furfural, tech., dms., c.l., works lb. .12 - —
- l.c.l. works lb. .15 - —
- tanks, works lb. .115 - —



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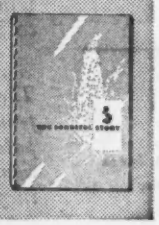


Fusel oil, refined, dms., c.l., dlvd lb. .16¾- .17¼
l.c.l., dlvd lb. .17½- .18
tanks, dlvd lb. .15 - .15½
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l lb. .45½- —
No. 3, bbls., l.c.l lb. .43½- —
liquid, No. 1, bbls., l.c.l lb. .22½- —
No. 2, bbls., l.c.l lb. .21½- —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l lb. .45 - —

G

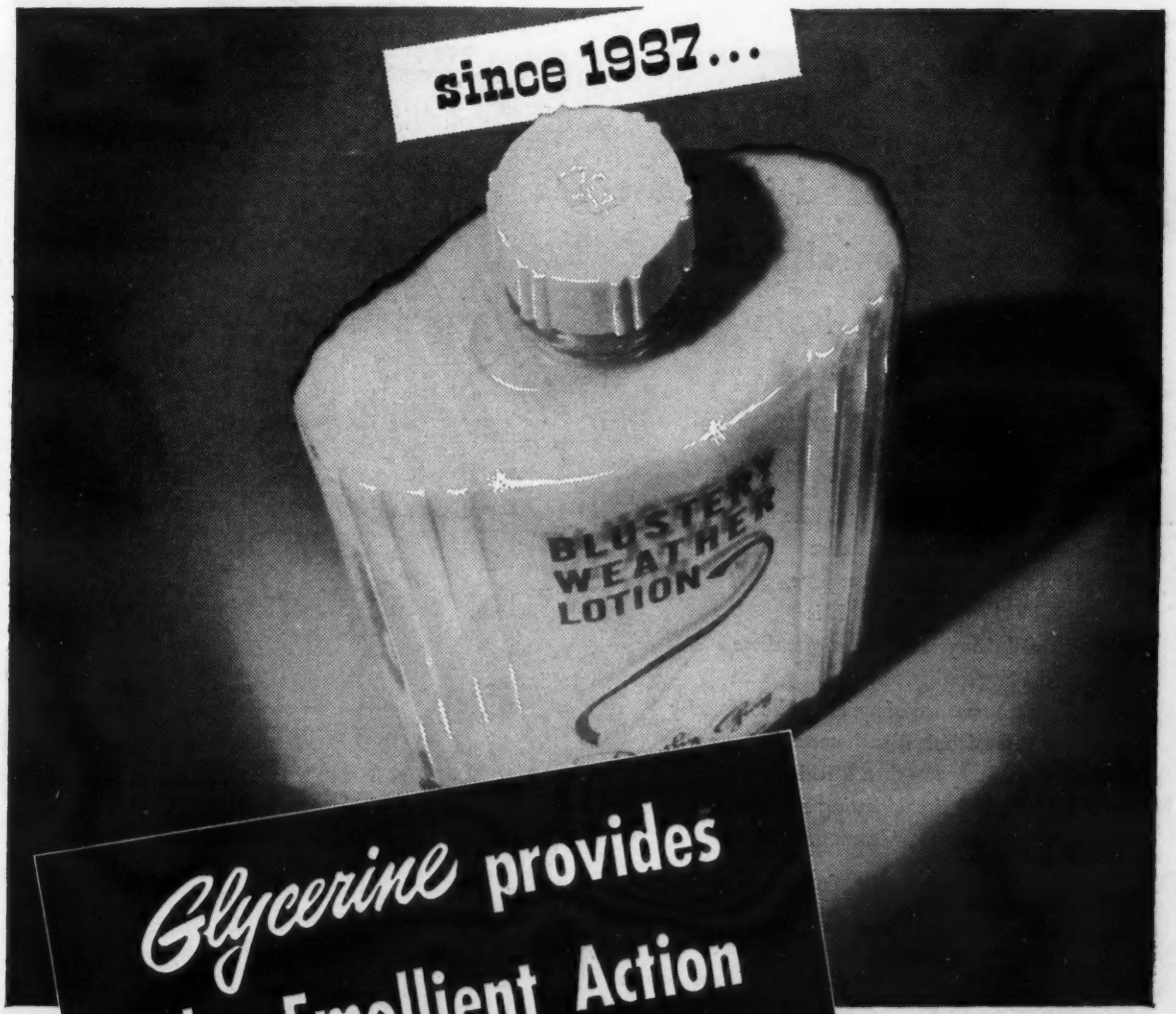
G salt, bbls., frt. alld lb. 73 - —
Galangal root, bls lb. .20 - .25
Gammapicoline, 98%, dms., c.l., works lb. 3.00 - —
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane tanks gal. .1285- .136
Group 3, 82 octane, tanks gal. .10375- .1062
Gulf coast, 82 octane, tanks gal. .1125- .1150
Penn., western U. S. motor 86 octane, tanks gal. .1275- .129
Natural, group 3, 26-70 octane, tanks gal. .0550- —
Gelatin, edible pure (pork skin), 75 Bloom test, fib. dms., c.l. lb. .52 - —
150 Bloom test, fib. dms., c.l. lb. .61 - —
200 Bloom test, fib. dms., c.l. lb. .67 - —
225 Bloom test, fib. dms., c.l. lb. .70 - —
275 Bloom test, fib. dms., c.l. lb. .73 - —
Geisemium root, bls lb. .26 - .27
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd., bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 1.40 - 2.10
stanard, cns., dms lb. .60 - 2.00
Geranyl actetate, cns lb. 1.30 - 2.10
Ginger, oleoresins, NF, from African roots, bots lb. 4.00 - 7.75
from Jamaican root, bls lb. 5.00 -12.75
Root, African, bls lb. .13½- .14
Cochin, unbleached, bgs lb. .19 - .19½
Jamaica, No. 1, bgs lb. .20 - .21
No. 2, bgs lb. .15 - .15¼
No. 3, bgs lb. .13½- —
Rhattoon, bgs lb. .12½- .13
Nigerian, split, bgs lb. .10½- .11
Ginseng root, cs lb.16.50 -22.00
Glauber's salt, anhyd. see Sodium sulphate)
Glue, bone, extracted, 66 jellygrams, bgs. c.l. dlvd lb. .24½- —
86 jellygrams, same basis lb. .25 - —
104 jellygrams, same basis lb. .25½- —
131 jellygrams, same basis lb. .26 - —
164 jellygrams, same basis lb. .26½- —
191 jellygrams, same basis lb. .27 - —
223 jellygrams, same basis lb. .28 - —
Bone glue l.c.l. prices 1c higher.
packers' 40 jellygrams, bgs, c.l., dlvd lb. .21½- —
65 jellygrams, same basis lb. .22¼- —
86 jellygrams, same basis lb. .23 - —
115 jellygrams, same basis lb. .24 - —
135 jellygrams, same basis lb. .25 - —
164 jellygrams, same basis lb. .26 - —
185 jellygrams, same basis lb. .27 - —
renderers' 110 jellygrams, bgs., c.l., dlvd lb. .22 - —
150 jellygrams, same basis lb. .23 - —
190 jellygrams, same basis lb. .24 - —
Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .26 - —
95-121, bgs., c.l., dlvd lb. .27½- .28
122-149, bgs., c.l., dlvd lb. .29 - .29½
150-177, bgs., c.l., dlvd lb. .30 - .31
178-206, bgs., c.l., dlvd lb. .31 - .32
207-236, bgs., c.l., dlvd lb. .32 - .33
237-266, bgs., c.l., dlvd lb. .33 - .34
267-296, bgs., c.l., dlvd lb. .34 - .35
299-330, bgs., c.l., dlvd lb. .35 - .36
331-362, bgs., c.l. dlvd lb. .36 - .37
363-394, bgs., c.l., dlvd lb. .37 - .38
395-427, bgs., c.l., dlvd lb. .38 - .39
428-460, bgs., c.l., dlvd lb. .40 - .41
461-494, bgs., c.l., dlvd lb. .41 - .43
495-529, bgs., c.l., dlvd lb. .42 - .45
Hide glue l.c.l. prices 1c higher than c.l.
Glycerin, crude, saponification, 88%, to refineries, tanks, dlvd lb. .33½- —
soapiye, 80% tanks, dlvd lb. .30½- .31
dynamite, dms., c.l., dlvd lb. .43¾- —
l.c.l., dlvd lb. .44¼- —
tanks, dlvd lb. .43¼- —
high gravity, dms., c.l., dlvd lb. .44 - —
l.c.l., dlvd lb. .44½- —
tanks, dlvd lb. .43½- —
refined BP, 98%, dms., c.l., dlvd. lb. .45⅞- —
l.c.l., dlvd lb. .46⅜- —
tanks, dlvd lb. .45⅜- —
USP, CP, 95%, dms., c.l., dlvd. lb. .44½- —
l.c.l., dlvd lb. .45 - —
tanks, dlvd lb. .44 - —
yellow, distilled, dms., c.l., dlvd. lb. .43⅞- —
l.c.l., dlvd lb. .44⅜- —
tanks, dlvd. lb. .43⅜- —
Glycine, USP (see Acid aminoacetic)
Glyoxal, 30% dms., c.l. works lb. .18½- —
l.c.l. works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz.22.50 -23.00
acid-yellow, bots oz.20.00 -20.50
Golden seal root, NF, tested, bls. lb. 2.80 - 2.85
powd., bxs lb. 3.10 - 3.15
Grains of paradise, bgs lb. .30 - .31
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, tanks, dlvd lb. .02¾- —
house, tanks, dlvd lb. .03¼- —
white, choice, tanks, dlvd lb. .05¼- .05½
yellow, tanks, dlvd lb. .03½- .03¾
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 5.10 - —
tungstated, PTMA, kgs., works lb. 6.30 - —
Chrome, CP, dark, light, merium, blue content 1 to 15%, bbls., dlvd, N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis. lb. .39 - —
31-45%, bbls., same basis. lb. .40 - —
45-49%, bbls., same basis. lb. .43 - —
50%, bbls., same basis lb. .48 - —
reduced color, 25%, bbls., same gal. .19 - —

Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Green, chromium oxide, hydrated, bbls., dms., c.l., frt. alld. lb. .95 - 1.20
pure, c.l., bgs. frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar)
Malachite, straight, PTMA, bbls., works lb. 4.80 - —
Paris (see Paris green)
Green, phthalocyanin toner, bbls., works lb. 4.40 - —
nubs, bgs. lb. 4.00 - —
resinated, bbls lb. .30 - .32
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb 1.35 - —
Grindelia robusta herb, bls lb. .38 - .40
Guaiac resin, NF, cs lb. .55 - .60
ordinary, cs lb. .49 - .51
Guaiacol, cryst., tins lb 1.90 - —
liquid, NF, bots., chys lb 2.15 - 2.20
Carbonate, dms lb 3.15 3.20
Guarana, powd., cs lb. 2.00 - —
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs lb. .35 - .65
Arabic, amber sorts, bgs lb. .13½- .15
powdered, USP, bbls lb. .19 - .21
Asafetida (see A).
Asphaltum (see A)
Benzoin, Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld lb. .60 - —
smaller lots same basis lb .62 - —
Copal, Congo, No. 1, bgs lb. .16 - .18
No. 2, bgs lb. .14 - .16
No. 3, bgs lb. .13 - .14
Manila, C, bgs. lb. .31 - .33
CBB, bgs. lb. .22½- .24½
DBB, bgs. lb. .16½- .18
DK, bgs. lb. .13 - .15
dust, bgs. lb. .11 - .12½

Gum, Copal, Manila, soft, MA, bgs. lb. .14½- .16
ws, bgs. lb. .27 - .35
Philippine, pale, chips, bgs. lb. .16½- .19
nubs, bgs. lb. .29 - .32
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .15 - .16
Pontianak, chips, bgs. lb. .20 - .22
nubs, bgs. lb. .30 - .32
Dammar, Batavia, A/E, bags lb. .25 - .26
dust, bgs. lb .14 .16
E., bgs. lb. .18 - .20
East India, batu, bold, bgs lb. .12 - .14
nubs and chips, bgs lb. .08 - .10
black, bold, bgs lb. .14½- .16
unscraped, bgs. lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13 - .14
nubs, bgs. lb. .18 - .20
Singapore, No. 1, bgs lb. .36 - .39
No. 2, bgs. lb. .28 - .30
No. 3, bgs. lb. .16 - .17
dust, bgs. lb. .15½- .17
seeds, bgs. lb. .18 - .20
Ester, gum-rosin type, dms., c.l., dlvd, Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .14 - .14½
wood-rosin type, dms., c.l. dlvd., Ill. (nd., etc lb. .14 —
Gum, euphorbium, cs lb. .55 - .60
Galbanum, cs lb. .75 .80
Gamboge, pipe, cs lb. .90 - 1.00
powd., bbls lb. .90 1.20

Gum, Ghatti, No. 2 bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls lb. .30 - .35
No. 2, bbls lb. .28 - .29
No. 3, bbls lb. .18 - .21
Kauri, bgs. lb. 30 .50
Kino, cs lb. 1.50 2.40
Locust bean, powd., bgs lb. .30 .32
Mastic, cs lb 2.00 2.10
Myrrh, cs lb. .35 - .40
Opium (see O).
Olibanum siftings, cs lb. .14 - .22
tears, cs lb. .25 - .30
Red (see Gum, yacca)
Rosin (see R)
Sandarac, cks. lb. 2.50 - 3.50
Scammony, cs. lb. 1.50 1.55
Sterculia (see Gum karaya).
Talha, bgs lb .10 .11
Tragacanth, No. 1, cs lb 2.85 - 2.90
No. 2, cs lb 2.45 - 2.50
No 3, cs lb. 1.60 - 1.70
powdered, USP, bbls lb 1.25 - 1.35
Yacca, bgs lb. .06 - —
Gypsum, anhydrous filler paper bgs., c.l. Medicine Lodge, Kan ton 19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald ton.18.30 - —
Harlem river, N. Y., frt. equald top 17.30 - —
Medicine Lodge, Kan., frt. equald ton.16.90 - —



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Even more important, U. S. P. Glycerine permits the formulation of products which are physiologically safe. Glycerine has many other properties which emphasize its value in other toilet articles. It acts as a plasticizer, vehicle, bodying agent, solvent, penetrant, or anti-freeze. That's why no substitute has been found which brings all of Glycerine's qualities to the production of toilet goods.

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Gypsum, Stucco—Laurel Leaves

Gypsum, stucco, paper bgs., Akron, N. Y., frt. equald.	ton.	8.00	—
Blue Rapids, Kans., frt. equald.	ton.	8.00	—
Fort Dodge Iowa, frt equald.	ton.	8.00	—
Gypsum, Ohio, frt. equald.	ton.	8.00	—
Grand Rapids, Mich., frt. equald	ton.	8.00	—
New Brighton N. Y., frt. equald	ton.	8.00	—
Plasterco, Ga., frt. equald.	ton.	8.00	—
Roton, Texas, frt. equald.	ton.	8.00	—
Southard, Okla., frt. equald.	ton.	8.00	—
Sweetwater, Texas, frt. equald	ton	8.00	—
Terra alba, dom., paper bgs., c.l., Baltimore	ton.	14.40	—
Harlem River, N Y	ton.	14.40	—
Imported, English, paper bgs., ex dock	ton.	48.00	—
ex warehouse	ton.	53.00	-56.00

H

Hawthorn berries, bgs	lb.	.30	.32
Heliotropine, cryst., cns	lb.	3.10	3.65
Helonias root, bls	lb.	1.65	1.70
Hellebore root, dom., green, bls	lb.	.60	.65
imp., black, whole, bls	lb.	.25	.30
ground, bxs	lb.	.30	.35
powder, bxs	lb.	.32	.37
white, whole, bls	lb.	.25	.30
powder, bxs	lb.	.35	.45
Hematine extract, cryst. No. 1, bbls., l.c.l.	lb.	.47	—
No. 2, bbls., l.c.l.	lb.	.43	—
No. 3, bbls., l.c.l.	lb.	.41	—
No. 4, bbls., l.c.l.	lb.	.39	—
No. 5, bbls., l.c.l.	lb.	.37	—
paste, No. 1, bbls., l.c.l.	lb.	.20½	—
Henbane leaves, bls	lb.	.35	.40
Henna leaves, bls	lb.	.18	.20
powd., bbls., bgs	lb.	.26	.28
Heptane, industrial, Bayonne, N. J., tanks	gal.	.19	—
group 3, tanks	gal.	.1375	.1405
Hesperidin methylchalcone, bots., works	lb.	50.00	—
Hexachlorophene, dms	lb.	2.60	—
Hexalin (see Cyclohexanol).			
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C.	lb.	.232	—
less than 1,000-lb. lots, same basis	lb.	.242	—
fib dms., 1,000-lb. lots or more, same basis	lb.	.239	—
less than 1,000-lb. lots, same basis	lb.	.249	—
USP, dms., 500 lbs. or more, same basis	lb.	.40½	—
smaller lots, same basis	lb.	.41½	—
Hexamine (see Hexamethylene tetramine).			
Hexane, industrial, Bayonne, N. J., tanks	gal.	.19	—
Group 3, tanks	gal.	.145	.148
Hexanol, normal, dms., c.l., works	lb.	.34¼	—
l.c.l., works	lb.	.35	—
tanks, works	lb.	.33	—
Hexyl cinnamic aldehyde, dms	lb.	2.25	7.50
Salicylate, dms	lb.	1.75	—
Hexylenegiycol, dms., c.l., dlvd	lb.	.15¾	—
l.c.l., dlvd.	lb.	.16½	—
tanks, dlvd	lb.	.14	—
Hexylmethacrylate, normal, dms., less than truckload, works.	lb.	.71	—
Hexylresorcinol, USP, dn.s., dlvd., 50-lb. lots or more	lb.	14.00	—
smaller lots, dlvd.	lb.	14.50	—
Histamine diphosphate, USP., bots.	kilo.	450.00	—
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works.	kilo.	80.00	-85.00
1-5 kilo lots, works	kilo.	90.00	-95.00
Homatropine hydrobromide, USP bots.	oz.	13.75	—
Hydrochloride, bots.	oz.	20.00	-22.00
Methylbromide, USP, bots	oz.	10.50	-13.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago	unit-ton	6.00	—
Hops, NF, bls	lb.	.30	.35
Horehound herb, bls	lb.	.14	.15
Hydrangea root, bls	lb.	.22	.25
Hydrastine, bots	oz.	29.50	-31.00
Hydrochloride, NF, bots	oz.	29.50	-31.00
Sulphate bots	oz.	35.00	-37.00
Hydrastinine, 10-grain bots	bot.	1.95	—
Hydrastis (see Goldenseal).			
Hydrazine, free base, ret. dms., Niagara Falls	lb.	3.00	3.30
Hydrate, 100% ret. dms., Niagara Falls	lb.	1.75	1.95
85%, ret dms., same basis	lb.	1.35	1.55
Hydrofuramide, dms., fib. ctns., works	lb.	.30	.40
Hydrogen chloride anhyd., 50-lb. cyl., works	lb.	.55	.60
Peroxide, USP bbls. dlvd	lb.	.03¾	.05
35%, cbys., dlvd	lb.	.21	—
dms., c.l., dlvd.	lb.	.208	—
l.c.l., dlvd.	lb.	.213	—
tanks, dlvd.	lb.	.201	—
Hydroquinone photo grade, bbls, dms.	lb.	.93	1.00
tech., dms., c.l., frt. equald	lb.	.77	—
l.c.l., frt. equald	lb.	.79	—
Hydroxycitronellal, cns	lb.	5.35	5.50
Hyoscine salts (see Scopolamine).			
Hyoscyamine, bots	oz.	15.75	-16.00
Hydrobromide, bots	oz.	16.50	-18.00
Sulphate bots	oz.	12.00	-13.50
Hypernic extract, cryst., No. 2, bbls., l.c.l.	lb.	.52	—
liquid, No. 1, bbls., l.c.l.	lb.	.35	—
No. 2, bbls., l.c.l.	lb.	.27	—
Hyssop herb, bgs	lb.	.35	.36
Leaves, bgs	lb.	.50	.51

I

Iceland moss, bgs	lb.	.30	.35
Ichthammol, NF, dms	lb.	.60	.75
Indian red (see Red, Indian).			
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).			
Indol, CP bots	lb	17.00	-21.00
Inositol, bots., dlvd	lb.	5.00	—
dms., dlvd.	lb.	4.50	4.75
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs	lb.	1.30	—
resublimed, USP, bots., jars	lb.	2.80	2.82
Iodochlorohydroxyquin, USP, dms.	lb.	5.90	—
Iodoform, NF, dms., kgs	lb	4.90	5.00
Ionone, alpha, cns	lb	4.00	8.25
Beta, cns	lb	4.30	-11.25
Methyl, dms., cns	lb.	4.05	4.65
Ipecac root, bgs	lb.	5.50	6.00
powd., bbls., bxs	lb.	6.00	6.50
Irish moss, bleached, prime, bls	lb.	.30	.35
Iron acetate liquor, 25° bbls., c.l., works	lb.	.09	—
l.c.l., works	lb.	.09¾	—
solut., USP IX, cbys.	lb.	.16	—
djns.	lb.	.17	—
Cacodylate, NF, bots	lb.	13.00	-14.00
Chloride (ferric), anhydr., tech., dms., c.l., works	100 lbs.	6.25	—
l.c.l., works	100 lbs.	7.50	—
cryst., indust., bbls., c.l., works	100 lbs.	5.25	- 6.25
l.c.l., works	100 lbs.	5.75	- 6.75
USP, dms., works	lb.	.07½	- .09
solut., 42° Be, basis 100%, cbys., c.l., works	100 lbs.	7.25	- 8.25
l.c.l., works	100 lbs.	7.75	-10.75
tanks, works	100 lbs.	3.45	—
Citrate, gran., dms.	lb.	.77	- .80
Gluconate, NF (see Ferrous gluconate, NF).			
Glycerophosphate, NF powd	lb	4.45	- 4.55
Hypophosphite, NF, dms	lb.	2.80	—
Iodide bgs.	lb	3.66	3.73
Naphthenate liq., 6% Fe., dms., frt. alld.	lb.	.25¾	—
Oxalate, gran., dms	lb.	.85	- .87
Phosphate, soluble, NF, gran., pearls, cs	lb.	.64	- .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms	lb.	.73	- .81
Resinate, 6.75% Fe, dms., frt. alld.	lb.	.26¼	—
Stearate, dms., c.l.	lb.	.37	—
ton lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate, ferric, partially hydrated, bgs., c.l., works	ton.	31.75	-33.75
l.c.l., works	ton.	34.75	-40.75
ferrous, tech. (see Copperas).			
USP, cryst. bbls., dms	lb.	.09½	.10
Iron-ammonium citrate, brown, N.F., gran., dms	lb.	.55	- .60
green, USP XII, gran., dms	lb.	.55	- .59
Oxalate, fine gran., dms	lb.	.25½	- .28¼
Iron-potassium, oxalate, fine gran., dms	lb.	.30½	- .33¼
Iron-sodium, oxalate, fine gran., dms	lb.	.25½	- .28¼
Isoborneol, cns	lb.	1.25	- 1.70
Isobornyl acetate, cns	lb.	.65	- .95
formate, dms.	lb.	.80	—
Propionate, dms	lb.	1.15	- 1.45
Isobutyl acetate, perfume grade, cns.	lb.	.75	- .97
solvent grade, dms., c.l., dlvd. E. of Rockies	lb.	.13	—
l.c.l., same basis	lb.	.13¾	—
tanks, same basis	lb.	.11¼	—
Methacrylate, dms., works	lb.	.60	—
Isobutyraldehyde, dms., dlvd	lb.	.50	—
Isoeugenol, cns.	lb.	3.65	3.95
Isoniazid, bulk, powder, 25-kilo lots or more	kilo.	30.00	-32.00
smaller lots	kilo.	30.00	-32.00
Isonicotinic acid hydrazide (see Isoniazid).			
Isopentane, dms., works	lb.	.43	- .55
Isophorone, dms., c.l., works	lb.	.24¼	—
l.c.l., works	lb.	.24¾	—
tanks, works	lb.	.22½	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., dlvd.	lb.	.11¾	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.10	—
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene)			
Ether (see Ether, isopropyl).			
Isopropylamine (see Mono-, Di-, or Tri-)			
Isopropylphenol, dms., c.l., works	lb.	.46	—
l.c.l., works	lb.	.47	—
tanks, works	lb.	.45	—
Isoquinolin, dms., works	lb.	.65	- 1.25

J

Jaborandi leaves, bls	lb.	.17	.18
Jalap root, NF, bls	lb.	.38	.46
powd., bbls., bxs	lb.	.45	.55
Juniper berries, bgs	lb.	.20	.28
Tar, NF, dms.	lb.	.42	.60

K

Kamala, powd., cns	lb.	.60	.65
Kaolin (see also Clay, China).			
NF, powd., fib. dms	lb.	.08	.16¼
colloidal, fib. dms	lb.	.15	.15¼
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks,	gal.	.03875	—
California, 40-42 s.g., w.w., tanks,	gal.	.144	- .148
Gulf ports, 41-43 s.g., w.w., tanks,	gal.	.0970	- .1018
N. Y. Harbor, 43-44 s.g., w.w., tanks	gal.	.1025	- .1075
Okla.-Tex., 41-43 s.g., w.w., tanks	gal.	.0875	- .095
Penn, Western, 45 s.g., w.w., tanks	gal.	.1125	- .1193
Kola nuts, bgs	lb.	.08	- .09

L

Lady's slipper root, bls	lb.	1.70	- 1.75
Lanolin, cosmetic, dms., works	lb.	.38½	- .48½
USP, anhydrous, dms., works	lb.	.35½	- .36¼
hydrous, dms., works	lb.	.34½	- .35½
Lard, cash, trcs., Chicago	lb.	.09¾	—
Larkspur seed, bgs	lb.	.20	- .25
Laurel berries, bgs	lb.	.25	- .26
Leaves, Greek, bls.	lb.	.09	- .10
Portuguese, bls	lb.	.10	- .10½
Turkish, bls.	lb.	.14	—
Yugoslavian, bls.	lb.	.09	- .09½

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Lauryl Chloride—Magnesium Carbonate

Lauryl chloride, dms., works, frt. equald lb. .72 - .75
Methacrylate, normal, cans., less than truckload works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .16 - .20
select, bls lb. .90 - —
Lead acetate, white crystals, bbls. lb. .22 - —
gran. bbls lb. .23 - —
powd., bbls lb. .23 - —
NF cryst., gran., powd lb. .31 - .32
Arsenate, acid powder, dealers, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or more lb. .27½- —
t.c.l., frt alld lb .28½- —
1-lb. bgs., c.l. lb. .41½- —
l.c.l lb. .42½- —
Blue, basic sulphate, bbls., c.l., Ship't point, frt. alld lb. .14¾- —
l.c.l., works lb. .15¾- —
Carbonate (see Lead, white).
Chloride dms lb. .45 - —
Iodide, NF, v jars lb. 3.82 - —
Linoleate fused 26.5% dms lb .32½- —
Metal, pigs, prime, N. Y. lb. .13½- —
St. Louis lb. .1330- —
Metallic paste dms. 20,000-40,000 lbs., works lb. .31¾- —
10,000-20,000 lbs. same basis. lb. .32¾- —
2,000-10,000 lbs. same basis. lb. .33¼- —
200-2,000 lbs., same basis lb. .33¾- —
Prices ex whse. Jersey City, N. J. 4½c per lb higher
Monosilicate, bgs., c.l., ship't point, frt. alld lb. .1464- —
l.c.l., ship't point, frt. alld lb. .1565- —
Lead naphthenate, liquid, 16% Ph, dms., dlvd lb. .17½- —
24% Pb. dms., dlvd lb. .23¾- —
solid, 37% Pb. dms., dlvd lb. .31¼- —
Nitrate bbls. lb. .22¼- —
Oleate fused bbls lb. .29¾- —
Orthosilicate gel, 50% PbO, dms., works lb. .32¾- —
60% PbO dms. works lb. .31¾- —
Peroxide, powd., tech., bbls lb. .45 - .47
Phthalate, dibasic, dms., works. lb. .41 - —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .16¼- —
l.c.l., same basis lb. .17¼- —
97% Pb_3O_4, bbls., c.l., same basis lb. .16½- —
l.c.l., same basis lb. .17½- —
98% Pb_3O_4 bbls., c.l., same basis lb. .16¾- —
l.c.l., same basis lb. .17¾- —
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms., works lb. .46 - —
Stearate, dibasic ton lots lb. .54 - —
precip., bbls., c.l. lb. .39 - —
ton lots lb. .40 - —
less ton lots lb. .41 - —
Sulphate (see Lead blue; Lead white; basic sulphate).
Tallate, liquid, 16% Pb, dms lb. .16 - —
24% Pb. dms. lb. .21½- —
ship't point, frt. alld lb. .16 - —
l.c.l., same basis lb. .17 - —
basic silicate, bgs., c.l., ship't point frt. alld lb. .15¼- .17¾
l.c.l., same basis lb. 16¼- .18¼
Lead, white, basic carbonate, bgs., c.l., basic sulphate, bgs., c.l., ship't. point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
Lecithin, edible, tech., bleached non-ref., dms., c.l., works, lb. .15½- .16
t.c.l., same basis lb. .16½- .19
unbleached, non-ref., dms., c.l., same basis lb. .14½- .15
l.c.l., same basis lb. .16 - .18
Lemon peel, bls lb. .20 - .26
Leucine dextro-laevo, dms., works, lb.12.25 -15.00
Licorice extract, mass, cns lb. .21¼- .40
powd., bbls lb. .31¾- .50
Root, bls. lb. .05½- .08
5-lb. bundles, cs lb. .50 - .55
powd., bbls lb. .11 - .13
Lignin extract, tanning grade, bgs., c.l. works lb. .05¼- .06¼
Lime, agricultural, bulk, works ton.14.50 - —
Chemical (quicklime) lump, pebble, bulk, Adams, Mass. ton.12.50 - —
Annville, Pa ton.11.50 - —
Austin, Texas ton. 9.50 - —
Bellefonte, Pa. ton.11.50 - —
Buffalo N Y ton.14.00 - —
Cedar Hollow Pa ton.11.50 - —
Duluth, Minn. ton.12.50 - —
El Paso, Texas ton.14.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.12.50 - —
Hannibal, Mo ton.10.00 - —
Keystone, Ala ton.10.25 - —
Kimballton Va ton.10.25 - —
Knoxville, Tenn ton.10.50 - —
Lee, Mass ton.12.50 - —
Lewisburg, Ohio ton.10.00 - —
Limedale, Ark ton.10.00 - —
Los Angeles, Cal ton.25.10 -26.84
Marble Cliff, Ohio ton.10.00 - —
Lime, chemical (quicklime), lump, pebble, bulk, Martinsburg, W. Va. ton.11.00 - —
Mosher, Mo. ton.10.75 - —
Nelson, Ariz ton.14.50 -23.65
Quincy, Ill ton.10.00 -13.00
Reddick, Fla ton.13.50 - —
Scotrock, Ala ton.10.25 - —
Springfield, Mo ton.12.25 - —
Winooski, Vt ton.15.50 - —
Woodville, Ohio ton.11.50 - —
York, Pa ton.15.50 - —
Hydrated, paper bags, Adams, Mass ton.15.50 - —
Annville, Pa ton.14.50 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa ton.14.50 - —
Buffalo, N. Y ton.16.00 - —
Cedar Hollow, Pa ton.14.50 - —
Chicago, Ill ton.15.00 - —
Duluth, Minn ton.14.00 - —
El Paso, Texas ton.17.50 - —
Engle, W Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Hannibal, Mo. ton.12.00 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Knoxville Tenn ton.13.00 - —
Lee, Mass ton.15.50 - —
Lewisburg, Ohio ton.14.00 - —
Limedale, Ark ton.12.00 - —
Marble Cliff, Ohio ton.13.50 - —
McNeil, Tex ton.13.00 - —
Meneminee, Mich. ton.14.00 - —
Mosher, Mo. ton.13.00 - —
North Tazewell, Va ton.12.75 - —
Quincy, Ill ton.10.00 -12.00
Reddick, Fla ton.16.00 - —
Scotrock, Ala ton.13.50 - —
Springfield, Mo ton.12.25 - —
Winooski, Vt ton.15.50 - —
Woodville, Ohio ton.14.50 - —
York, Pa ton.14.50 - —
Spray, paper bgs., Adams, Mass ton.17.00 - —
Annville, Pa ton.17.00 - —
Austin, Texas ton.13.00 - —
Bellefonte, Pa. ton.17.50 - —
Carey, Ohio ton.11.00 - —
Duluth Minn ton.15.00 - —
Engle, W Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg Ohio ton.16.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Lee, Mass ton.17.00 - —
Lewisburg, Ohio ton.16.00 - —
Marble Cliff, Ohio ton.16.00 - —
McNeil, Tex ton.16.00 - —
Menominee, Mich ton.14.00 - —
Mosher, Mo. ton.13.00 - —
North Tazewell, Va ton.12.75 - —
Reddick, Fla ton.16.00 - —
Rockland, Me. ton.10.00 - —
Springfield Mo ton.12.25 - —
Scotrock, Ala. ton.13.50 - —
Winooski, Vt ton.17.00 - —
Woodville, Ohio ton.16.50 - —
York, Pa ton.15.50 - —
Lime salts (see Calcium)
Lime-ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone grd. bgs. works ton. 3.50 - 4.00
Linalool, ex bois de rose, dms. lb. 5.95 - 6.70
ex lignaloe wood, dms. lb. 6.75 - 7.10
Linalyl acetate ex bois de rose, 90-92%, dms. lb. 6.00 - 6.25
96-98%, dms. lb. 6.75 - 7.15
ex petitgrain, bots. lb. 4.35 - 5.05
Lindane, 25% formulation, dealers, cns., works lb. 2.20 - —
dms., dealers, dms. lb. 2.10 - —
99%, tech., dealers, dms., works. lb. 2.75 - 3.35
Linden flowers with leaves, bls lb. .34 - .38
without leaves, bls lb. .40 - .41
Linseed meal, expeller, 32-34% bulk, Midwest, mills ton.60.00 -60.50
extracted, 36%, same basis ton.57.00 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .15¼- —
l.c.l., same basis lb. .16¼- —
Lithium benzoate dms lb. 1.65 - 1.67
Bromide, NF, bbls., works, frt. equald lb. 2.10 - 2.75
Carbonate, tech., dms lb. .90 - 1.10
Chloride, cryst., dms lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs lb 1.05 - 1.40
Fluoride, bbls. lb. 1.85 - 2.10
Hydride powd., dms., works lb.12.00 -14.00
Hydroxide, monohydrate, dms lb. .91 - 1.05
Salicylate, dms. lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½- —
t.c.l., dlvd. lb. .08¼- .08¾
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. .68 - .96
Lobelia herb, bls lb. .38 - .40
Leaves, NF lb. .75 - .76
Lobeline sulphate, bots., works oz.33.00 -34.00
Logwood extract, crystals, No. 1, bbls., t.c.l lb. .41 - —
No. 2, bbls., t.c.l lb. .39 - —
liquid, No. 1, bbls., t.c.l. lb. .20 - —
No. 2, bbls., t.c.l. lb. .19 - —
No. 3, bbls., t.c.l. lb. .16½- —
solid, No. 1. lb. .35 - —
Lovage root, imported, bls lb. .65 - .75
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.40 - 1.60
Lysine hydrochloride, dextro-laevo, bots kilo 145.00 -149.00

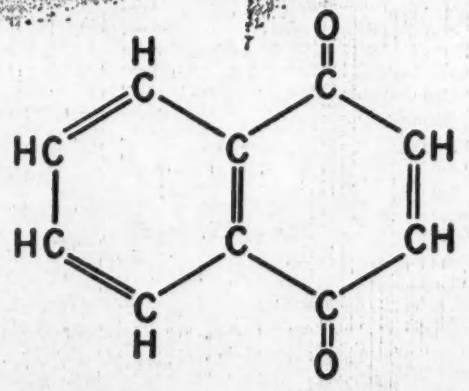
M

Mace, Siauw, No. 1 bls lb. 1.02 - —
West Indian, No. 1, bls lb. .99 - —
broken, cs lb. .70 - .72
Magnesia, calcined, tech., ctns. works lb. .32 - .34¼
synth., rubber grade, ctns., works lb. .31 - —
USP, light, ctns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, calcined powd., bgs., c.l., works, frt. equald ton.82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash ton.36.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09½- —
t.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
t.c.l., frt. alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
t.c.l., frt. alld lb. .13 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
t.c.l., frt. alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
t.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
t.c.l., frt. alld lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Gloucestershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.

from America's only commercial production

An interesting intermediate with unique oxygen linkages and notable reactivity at the 2-, 3- hydrogen atoms, the oxygen atoms and the ethylenic linkage.

NATIONAL 1,4- NAPHTHOQUINONE



KNOWN USES:
Polymerization regulator in manufacture of synthetic rubber and polyester resins.
Stabilizer against deterioration of transformer oils.
Antimycotic agent.
Intermediate in the preparation of fungicidal sprays, mildew proofing agents, algacides, alkyl derivatives, oxidation inhibitors, etc.

REACTIONS AT THE HYDROGEN ATOMS
Chlorination: Reacts readily in nitrobenzene with chlorine in the presence of catalytic amounts of iron to form 2,3-dichloro-1,4-naphthoquinone.
Oxidation: Reacts with air in alkaline media to form 2-hydroxy-1,4-naphthoquinone.
Ammination: Reacts with amines to form the corresponding aminonaphthoquinone and 1,4-naphthalenediol.
Alkylation: Undergoes alkylation with diphenylcarbinol to yield 2-diphenylmethyl-1,4-napthoquinone.

REACTIONS AT THE OXYGEN ATOMS
Reduction: Is reduced by stannous chloride to 1,4-naphthalenediol.
Condensation With Ketenes: Reacts with ketenes to form mono- or di-lactones, which when heated decarboxylate to form methylene derivatives.
Condensation With Hydroxylamine: Reacts with hydroxylamine to form the mono- and di-oxime.

REACTIONS AT THE ETHYLENIC LINKAGE
Addition of Dienes: Reacts with dienes, according to the conventional Diels-Alder synthesis, to form tetrahydroanthraquinone derivatives. When these reaction products are treated with a hydrogen acceptor, the corresponding anthraquinone is obtained.
Addition of Diazoalkanes: Reacts with diazomethane to form 1-H-naphtho 2,3 pyrazole- 4,9-diol which is oxidized by air to 1 H-naphtho 2,3 -pyrazole 4,9-dione.

AVAILABILITY
Now available in commercial quantities which can be increased to meet reasonable requirements.

SEND FOR BULLETIN I-4
Certain of the above uses are covered by process patents, references to which are given in National Technical Bulletin I-4. This informative bulletin also shows in detail the reactions listed above and may suggest possibilities for using this highly reactive organic intermediate in your current work or your exploratory research.

PHYSICAL APPEARANCE: Greenish yellow powder.
MOLECULAR WEIGHT: 158.1
MELTING POINT: 123°-126°C.
SOLUBILITY: Very slightly soluble in water; soluble in ethyl alcohol, ethylether, chloroform, benzene and acetic acid.
PURITY: Furnished as a moist powder containing 15-20% water and, on a dry basis, 95-98%, 1,4-naphthoquinone.

NATIONAL ANILINE DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.
Boston Providence Philadelphia Chicago San Francisco Portland, Ore. Greensboro Charlotte Richmond Atlanta Columbus, Ga. New Orleans Chattanooga Toronto

Allied Chemical

Magnesium, chloride, anhyd., lump., 95-98%, drums, c.l., works, frt. equald. lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bbls., works ton.50.00 - —
hydrous, flake, dms., l.c.l., works ton.49.00 - 51.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs lb. .26½ - .30
Hypophosphite, dms lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .27 - —
sticks, cs., works, frt. alld. on carlots lb. .45 - —
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined).
Peroxide 15% dms. works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulphate (see Epsom salt).
Stearate, ctns., c.l. lb. .38 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher

Maleic anhydride, dms., c.l., dlvd. E lb. .37 - —
l.c.l., dlvd. E lb. .38 - —
Prices on maleic anhydride W. of Rockies, 1½c. higher

Malva flowers, black, bls lb. .90 Nom.
blue, bls lb. 1.65 - 2.00
Mandrake root, bls lb. .29 - .30
Manganese acetate, bbls, dlvd lb. .32½- —
Arsenate, bgs lb. .16 - —
Borate, tech., bbls lb. .24 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms., works lb. .20 - .22
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, paper bgs., gross for net, works ton.88.00 - —
paper-lined burlap bgs., works ton.91.50 - —
dms., works ton.94.00 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Gluconate, dms., cns lb. 1.86 - 1.98
Glycerophosphate, NF, fib. dms. lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .33¼ - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid 4.25% Mn., dms. lb. .30½- —
solid, precip. 6.2% Mn., bbls lb. .33½- —
Metal, cs, dlvd. East lb. .30 - .32
Naphthenate, liquid 6% Mn., dms., frt. alld. lb. .27 - —
Oleate, precip., bbls lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21½- —
precip., dms lb. .24½- —
Stearate, ctns., c.l. lb. .33 - —
ton lots lb. .39 - —
less ton lots lb. .40 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd., S. E. ton.75.50 - —
l.c.l., dlvd., S. E. ton.82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E ton.87.50 - —
l.c.l., dlvd. S. E. ton.94.50 - —
Tallate, 6%, dms. lb. .24¼- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.77.00 -78.00
So. American, 30% tannin, c.l., ex dock ton.57.50 59.00
Manna flake, large, cs lb. 1.25 - 1.30
small, cs lb. .80 - .95
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Bohemian, bls lb. .22 - .24
Chilean, bls lb. .19 - .19½
French, bls lb. .26 - .27
Peruvian, bls lb. .19 - .19½
Matico leaves, bls lb. .25 - .35
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
less than 500-lb. lots, works lb. .36½- —
Menadione, USP, bots gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs. lb. 5.85 - 6.00
Japanese, cs lb. 7.25 - 7.35
synthetic, USP, racemic, cns lb. 4.95 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld. lb. .33 - —
less ton lots, same basis lb. .40 - —
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld. lb. .48 - —
less ton lots, same basis lb. .50 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb 5.29 - —
Iodide, red, NF, fib. dms lb. 6.47 - —
yellow, NF, fib. dms lb. 6.72 - —
Metal (see Quicksilver)
Oxide, red, NF (see Red precipitate), tech. (see Red, mercury oxide), yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. .13¼- .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 - 1.25
Meta-aminophenol, distilled, dms., ton lots lb. 2.05 - —
less than ton lots lb. 2.50 - —
Metachloroaniline, dms., c.l., frt. equald. lb. .75 - —
l.c.l., same basis lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works lb. .74½- —
Metanitroaniline, dms., frt. alld. lb. 1.05 - —
Metanitroparatoluidin, bbls. lb. 1.59 - —
Metaphenylenediamine, sgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine, crystals, fib. dms., frt. alld. lb. .94 - —
powder, same basis lb. 1.00 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld gal. .78 - —
l.c.l., frt. alld gal. .79 - —
tanks, frt. alld gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.
synthetic, Zone 1, dms., c.l., dlvd. lb. .44 - .45¼
l.c.l., dlvd. gal. .49 - .50½
tanks, dlvd. gal. .32 - .33½
Zone 2, dms., c.l., dlvd gal. .49½- —
l.c.l., dlvd. within established wkse. delivery zone gal. .54 - —
tanks, dlvd. gal. .35½- —
Synthetic methanol zones are: Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)

Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb. or more lb. 6.55 - —
feed grade, 98%, fib., dms., same basis lb 3.00 - —
97%, fib. dms. same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms. cs., frt. alld lb. .61 - .64
Methyl abietate, non-ret., dms., c.l., dlvd., zone 1 lb. .19½ - —
l.c.l., same basis lb. .20 - —
hydrogenated, non-ret., dms., c.l., dlvd., zone 1 lb. .20 - —
l.c.l., same basis lb. .20½- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Methyl acetone, natural, dms., c.l., E. of Miss., frt. alld. gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., dlvd. E gal. .66½- —
l.c.l. dlvd. E gal. .72¼- —
tanks, dlvd. E gal. .54½- —
Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.

Acrylate, dms., c.l., and truckload works lb. .45½- —
less than truckload, works lb. .46 - —
tanks, works lb. .42¾- —
Alcohol (see Methanol).
Anthranilate, cns. lb. 2.35 - 2.65
extra, cns lb. 2.65 - 4.45
Benzoate, cns., dms lb. .53 - .65
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61

Methyl chloride, indust., cyl., works, lb. .18 - —
tanks, multi-unit works lb. .14 - —
single-unit, works lb. .11½- —
refrigerator mfrs., cyls., dlvd., lb. .40 - .43
other consumers or service men, cyls., dlvd lb. .57 - —
Cinnamate, cns lb. 1.43 - 1.88
Cyclohexanol, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Formate, retd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J. lb. .36½- —
less than truckload, same basis lb. .37 - —
tanks, same basis lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms lb 1.90 2.00
Rosaniline chloride, NF, fib. dms. lb 5.40 - —
Salicylate, USP, dms., 500 lbs. lb. .53 - .58
cns., 50 lbs. lb. .58 - —
Testosterone, USP, 100 gms. gm. .98 - —
Methylal, refined, 97%, dms., c.l., works lb. .12¾- —
l.c.l., works lb. .13½- —
tanks, works lb. .11 - —
tech., 92%, dms., c.l., works, gal. .85 - —
l.c.l., works gal. .90 - —
tanks, works gal. .70 - —

Methylamyl acetate, dms., c.l., dlvd. E lb. .14¾- —
l.c.l., dlvd. E lb. .15½- —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb bgs., c.l., works lb. .78 - —
2,000 lbs., and more, same basis lb. .80 - —
smaller lots, frt. alld. on 100 lbs. .85 - .97
standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld lb. .66 - —
2,000 lbs. and more, same basis lb. .68 - —
smaller lots, frt. alld. on 100 lbs. lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb 3.25 3.60
smaller lots, kgs., same basis lb 3.40 3.60
Chloride, industrial, dms., c.l., dlvd. E lb .13½ —
Methylethylketone, dms., c.l., dlvd. lb. .12¾ .13¾
l.c.l. dlvd. lb. .13½- .14½
tanks, dlvd. lb. .11 - .12
Methylethylpyridin, dms., c.l., works. lb. 47½ —
l.c.l. works lb. 48 —
tanks, works lb 46 —
Methylheptincarbonate, bots lb.31.00 -35.00
Methylionone, A, cns lb 6.55 8.80
D, cns lb 7.50 9.55
prime, cns lb 4.55 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd lb .14¾ —
l.c.l. dlvd lb. .15½- —
tanks, dlvd lb. .13 —

1953 PRODUCTION TIMETABLE

MORE METHANOL heading your way!

We're clearing the tracks for more methanol. The $20,000,000 expansion program highballing along, at CSC's Sterlington Plant in Louisiana, means that much more methanol will be available to you as in '52. It also means that CSC will be one of the largest producers of CH_3OH in the world—and your logical basic source for this important chemical. Now's the time to flag us down. Don't miss the CSC methanol train. Contact Industrial Chemicals Department, Commercial Solvents Corporation, 260 Madison Avenue, New York 16, N. Y.

Fast, Dependable Service

CSC

COMMERCIAL SOLVENTS CORPORATION

Methylnaphthyl. Ketone—Octylphenol

Methylnaphthyl. ketone, cans . lb. 3.00 - 3.15
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone, dms., 250 lbs., dlvd . lb. 1.70 - —
less than 250 lbs., dlvd . . . . . lb. 2.00 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works . . . . lb. .04¼- —
roofing, 20 to 80 mesh, works lb. .03 - .04
wet-ground biotite, bgs., c.l., works, frt. alld., E lb. .06¼- —
t.c.l., ex whse. or frt. alld. E lb. .07 - —
Mica, wet-ground, paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¾- —
t.c.l., ex whse. or frt. alld. E lb. .08¼- —
rubber, bgs., c.l., works, frt. alld. E lb. .07½- —
t.c.l., ex whse. or frt. alld. E lb. .08½- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¾- —
t.c.l., ex whse. or frt. alld. E lb. .08¼- —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¾- —
t.c.l., ex whse. or frt. alld. E lb. .08¼- —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. . lb. .09½- .14
spray, bbls., c.l . . . . . lb. .14½- .16
whole, roller, bbls., c.l . . lb. No prices.
spray, bbls., c.l. . . . . lb. .32 - .36½
Milk sugar, crude, bgs., c.l., works, lb. .18 - —
edible, bgs., 30,000-lb. lots, works . lb. .24 - —
2,000-lb. lots, works . . . . . lb. .24¾- —
200-1,800-lb. lots, works . . . lb. .25¼- —
Edible milk sugar in fib dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, lots, works lb. .29 - —
2,000-lb. lots, works . . . . lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —
USP milk sugar in bgs. 1c. lower
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans . gal. .09¾- .10½
New York . . . . . gal. .11½- —
Molybdenum metal, 99% Mo. powd., kgs lb. 3.00 Nom.
Trioxide, pure, bgs., works basis Mo. content lb. 1.40 - —
technical, bgs. works basis Mo content lb. 1.15 - —
Monobutylamine, dms., c.l., E of Rockies lb. .54¾- —
t.c.l., same basis . . . . . lb. .55¾- —
tanks, same basis . . . . . lb. .53 - —
Monochlorobenzene dms. c.l., frt. alld. or dlvd. E . lb. .11½- —
t.c.l., same basis . . . . . lb. .12½- —
tanks, same basis . . . . . lb. .10 - —
Monochlorobenzene prices in the West, 1¾c higher.
Monoethanolamine dms. c.l. dlvd E. lb. .29¾- —
t.c.l., same basis . . . . . lb. .30¾- —
tanks, same basis . . . . . lb. .28 —
Monoethylaipnanaphthylamine, dms., works lb. .38 - —
Monoethylamine, 70% contained amine, dms., c.l., dlvd. E. lb. .32 - —
t.c.l., dlvd. E . . . . . lb. .33 - —
tanks, dlvd. E . . . . . lb. .30¼- —
Monoethylanilin, dms., c.l., frt. alld. lb. .51 - .57
t.c.l. frt. alld . . . . . lb. .52 - .58
tanks, frt. ulld . . . . . lb. .50 - .56
Monoethylorthotoluidin. bbls . . lb. .80 —
Monoisopropylamine, dms., c.l., dlvd. lb. .29½- —
t.c.l., same basis . . . . . lb. .30½- —
tanks, same basis . . . . . lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
t.c.l., same basis . . . . . lb. .35½- .36
tanks, same basis . . . . . lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary butylmetacresol, dms., c.l., works lb. .49 - —
t.c.l., works . . . . . lb. .50 - —
tanks, works . . . . . lb. .48 —
Morphine cns . . . . . oz 12.40 12.60
Acetate, anhyd., cns . . . . . oz 9.95 10.00
Hydrobromide, cns . . . . . oz 9.90 9.95
Hydrochloride, NF cns . . . . . oz 9.90 9.95
Sulphate USP cns . . . . . oz 9.90 10.05
Morpholine dms., c.l., dlvd. E lb. .54¾- —
t.c.l. dlvd. E . . . . . lb. .55¾- —
tanks, dlvd. E . . . . . lb. .53 - —
Mullein flowers, cs . . . . . lb 2.00 2.05
Leaves, bls . . . . . lb. .18 - .21
Musk, natural, Tonquin grains, bots, oz. No stocks.
synthetic, ambrette, 100-lb. lots, fib. dms lb. 5.35 - —
25-lb. lots, cns . . . . . lb. 5.40 - —
5-lb. lots, cns . . . . . lb. 5.55 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb lots, cns . . . . . lb. 5.35 - —
5-lb. lots, cns . . . . . lb. 5.50 - —
xylol, 100 lb. lots, fib. dms . lb. 1.50 - —
25-lb. lots, cns . . . . . lb. 1.55 - —
5-lb. lots, cns . . . . . lb. 1.70 - —
Mustard seed, Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, yellow, bgs . . . . . lb. .10 - .10½
Dutch, yellow, bgs . . . . . lb. .10 - .10½
English, yellow, bgs. . . . . lb. .11½- .12
German, yellow, bgs . . . . . lb. .10 - .10½
Japanese yellow bgs . . . . . lb. .10 - .10¼
Montana, brown, bgs., Sept.-Oct., f.o.b. source lb. .07 - —
oriental, bgs., Sept.-Oct., source . lb. .05½- —
yellow, bgs., Sept.-Oct., source lb. .08¾- —
Myrobalans, J-1, assorted, bgs., ex dock . . ton. 48.50 - —
crushed, bgs, ex dock . . . . . ton. 65.00 -66.00
ordinary, bgs., ex dock . . . . ton. 47.00 - —
Extract, Indian, solid, 53% tannin, ex dock, plus duty . . . lb. .07¼- —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74° tanks, frt. equald lb. .0625- —
78° dms. c.l., same basis lb. .0765- —
t.c.l. same basis . . . . . lb. .0790- —
tanks, same basis . . . . . lb. .0675- —
imported, 78°, large lots . . . lb. .03¼- —
refined, dom., industrial, bbls., c.l., frt. equald lb. .11¾- —
bgs., c.l., same basis . . . . . lb. .11¼- —
tanks, same basis lb. .10¼- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis. lb. .14½- —
cs. 50 lbs., c.l., same basis lb. .14¾- —
1-lb pkgs. c.l., same basis lb. .17 - —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 8.00
Neomycin fib. dms., 100-kilo lots, basis, activity gm. .60 - —
1 kilo lots, basis, activity, gm. 1.20 - —
Nepheline syenite glass, 24 mesh, bulk, works ton 14.25 - —
pottery 200 mesh, bulk, works, N Y ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin cns . . . . . lb. 2.25 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd . . . . . lb. .75 - .88¼
Carbonate, bbls., dlvd . . . . . lb. .71 - .78
Chloride, bbls., dlvd . . . . . lb. .37 - .45
Formate bbls., ton lots, frt. alld. lb. .64 - .65
Metal, electro cathodes, cs., works. lb. .60 - —
Nitrate, bbls., works . . . . . lb. .36 - .37
Oxide, black, bbls . . . . . lb. .69 - —
Sulphate, bgs., c.l., dlvd . . . . . lb. .29 - —
t.c.l., dlvd . . . . . lb. .29½- .37
Nicotinamide USP, dms., frt adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted. kilo. 11.50 -11.80
Nicotine sulphate, 40%, dealers, 50-lb. dms., frt. alld . . . . . lb. 1.11 - —
10-lb. tins, 6 to a case, frt. alld., on 200 lbs lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld . lb. .925 - —
Niger seed, bgs., afloat . . . . . lb. .11½- .11¾
Nikethamide, cbys lb. 7.50 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld . lb. .12 - —
t.c.l., frt. alld . . . . . lb. .13 - —
tanks, frt. alld . . . . . lb. .11 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
t.c.l., same basis lb. .34 - .36
18-25 cps. bbls., c.l. lb. .35 - —
t.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bbls., same basis lb. .42 - —
t.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., same basis lb. .45 - —
t.c.l. same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
t.c.l. same basis lb. .45 - .47

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.

Nitroethane dms. dlvd E. of Rockies. lb. .25 - —
Nitrogen solution, tanks, works, 37-40.6% N, basis 100% . . ton. 128.00 - —
Nitrogenous process tankage bulk, works . . . . . unit-ton. 3.75 - 4.15
Sewage sludge, bulk, works unit-ton. 3.75 - .50
Nitromethane, dms., t.c.l., dlvd E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼- —
t.c.l. works . . . . . lb. .33¾- —
tanks, works . . . . . lb. .32¼- —
Nutgalls, Aleppo bgs . . . . . lb. .38 —
Chinese, bgs . . . . . lb. .36 Nom.
Istrian bgs . . . . . lb. .31 —
Nutmeg, East Indian, whole, cs . lb. .31 - .32½
shrivels, bgs . . . . . lb. .31½- .32
West Indian, bgs . . . . . lb. .26 - .26½
Nux vomica, his . . . . . lb. .08 - .10
powdered, bbls., bxs . . . . . lb. .13 - .15

O

Octane, 100°-140° C. b.r., industrial grade, group 3, dms., c.l. t.c.l. . . . . gal. .21 - .69
tanks . . . . . gal. .15½- —
100° C. b.r., Bayonne, N. J., tanks, gal. .19 - —
Octanol, normal tech., dms., c.l., dlvd lb. .35 - —
t.c.l., dlvd . . . . . lb. .37 - —
tanks, dlvd . . . . . lb. .32½- —
Octyl methacryiate, normal, dms., less than truckload, works. lb. .83 - —
Octylphenol, dms., c.l., works lb. 26¾- —
t.c.l., works . . . . . lb. .27¼- —
tanks, works . . . . . lb. 25¾ —

(Essential oils prices listed below are f.o.b. New York with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

LET'S GET DOWN TO
"Essentials"

Felton Quality Control starts right back at the prime source. That's why discriminating users consider the Felton Essential Oils listed here always the best dollar values offered.

☐ Almond
☐ Anise
☐ Bay
☐ Bergamot
☐ Birch
☐ Bois de Rose
☐ Cananga
☐ Cassia
☐ Cedarleaf
☐ Cedarwood
☐ Cherry Laurel
☐ Cinnamon
☐ Citronella
☐ Clove
☐ Copaiba
☐ Coriander
☐ Eucalyptus
☐ Geranium
☐ Grapefruit
☐ Guaiacwood
☐ Labdanum
☐ Lavandin
☐ Lavender
☐ Lemon
☐ Lemongrass
☐ Limes
☐ Orange
☐ Patchouly
☐ Peppermint
☐ Petitgrain
☐ Pimenta
☐ Rosemary
☐ Sage
☐ Sandalwood
☐ Spike
☐ Spearmint
☐ Thyme
☐ Vetivert
☐ Wintergreen
☐ Ylang Ylang

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AROMATICS • PERFUME BASES • ESSENTIAL OILS

FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn 6, N. Y.

PLANTS: BROOKLYN, N. Y. • LOS ANGELES, CAL. • MONTREAL, QUE. • PARIS, FRANCE
SALES OFFICES: ATLANTA • BOSTON • CHICAGO • DALLAS • PHILADELPHIA
ST. LOUIS • TOLEDO • TORONTO
STOCKS CARRIED IN PRINCIPAL CITIES

Oil, abies siberica, cns. lb. 2.40 - 3.00
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 3.20 - 3.75
NF, bots. lb. 3.25 - 3.75
sweet, USP, dms., cns. lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.65 - 1.90
Angelica root, bots. lb. 70.00 - 120.00
seed, bots. lb. 55.00 - 95.00
Anilin (see A)
Anise, USP, dms. lb. 2.00 - 2.75
Apricot, kernel, USP, dms. lb. .37 - .46
Avocado, cns., dms. lb. No prices.
Babassu crude tanks lb. No stocks
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.45 - 1.90
55-80% cns. lb 1.65 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.45 - 2.25
Bergamot, artif., cns. lb. 2.90 - 5.00
natural, NF, Italian, cns. lb. 11.25 - 14.75
Birchtar, crude, cns. lb. 1.75 - 2.00
rectified, NF cns. lb. 2.50 - —
Bois de rose, Brazil, dms. lb. 4.00 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb 65 - 70
Cajeput, redist., USP, cns. lb. 2.10 - 2.85
tech., cns. lb. 1.70 - 2.75
Calamus, bots. lb. 19.00 - 20.00
Camphor, sassafrassy, dms. lb. .25 - .40
white, dms. lb. .26 - .40
Cananga, native, cns. lb. 10.75 - 11.50
rectified, cns. lb. 12.10 - 13.75
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 2.50 - 3.30
Cardamom, NF, bots. lb. 30.00 - 40.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. .2600- —
l.c.l. lb. .2650- —
dehydrated, bodied, dms., c.l., lb. .2910- —
l.c.l. lb. .2960- —
tanks lb. .2810- —
unbodied, dms., c.l. lb. .2760- —
l.c.l. lb. .2810- —
tanks lb. .2660- —
hydrogenated, bgs. lb. .3260- .3380
No. 1, Brazilian, tanks lb. .21 Nom.
USP, dms., c.l. lb. .24 - —
l.c.l. lb. .2450- —
tanks lb. .2300- —
refined and deodorized, dms., c.l. lb. .2550- —
l.c.l. lb. .2600- —
tanks lb. .2450- —
No. 3, tech., dms., c.l. lb. .2375- —
l.c.l. lb. .2425- .2450
tanks lb. .2275- —
sulphonated, 50% (48% fat), dms., l.c.l lb. .16½- .17
75% (60-62% fat), dms., l.c.l. lb. .22 - .22½
Cedarleaf, cns., dms. lb. 2.00 - 3.00
Cedarwood, cns., dms. lb. .46 - .75
Celery seed, bots. lb. 16.50 - 21.00
Chamomile, blue, Hungarian, bots. lb. 175.00 - 260.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil tung)
Cinnamon bark, USP, bots. lb. 25.00 - 60.00
leaf, cns. lb. 1.25 - 3.25
USP, cns., dms., (Cassia) lb. 5.50 - 7.50
Citronella, Ceylon, cns., dms. lb. .52 - .90
Java, true, cns lb. 1.10 - 1.90
Java-type cns. lb. .52 - 1.00
Clove, USP, from buds, cns., dms lb. 9.50 - 10.75
Coconut, crude, tanks, N. Y. lb. .16½- —
Pac. Coast lb. .14¼- —
refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .22 - —
deodorized tax incl., non-ret. dms., c.l. lb. .23¾- —
Cod, Newfoundland, dms. lb. .10 - .10½
Codliver, USP, dms. gal. 1.55 - 1.65
Copaiba, cns lb 2.00 - 2.50
Coriander, USP, bots. lb. 17.00 - 23.50
Corn, crude, tanks, works lb. .13¾- —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .05¾- —
refined, dms lb. .18½- .19
tanks lb. .17 - —
Costus, bots. oz. 12.50 - 25.00
Cottonseed, crude, tanks, South-East lb. .14¾ Nom.
Valley lb. .14¾ Nom.
Texas lb. .14⅜ Nom.
foots (soapstock), acid 95%, tanks, N. Y. lb. .02¾- —
raw, 50% tanks, same basis lb. .01½- —
salad, dms. lb. .19¼- .19½
tanks lb. .17¾- —
Creosote (see Creosote, coaltar).
Croton, cns lb. 4.30 - 5.50
Crude (see Petroleum crude).
Cubeb, cns lb. 4.50 - 7.25
Cumin, bots. lb. 4.25 - 6.00
Cypress, bots. lb. 5.30 - —
Degras (see D).
Dillseed, bots. lb. 2.80 - 3.75
Dillweed, dom., dms., bots. lb. 4.00 - 5.25
Dip (see D)
Erigeron, cns. lb. 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms. lb. .70 - 1.00
80-90%, dms lb. .85 - 1.25
Fennel, sweet, USP, cns. lb. 2.30 - 3.25
Fir, Canada, cns lb. 2.65 - 3.10
Fish, refined, alkali, dms. lb. .1360- —
kettle-bodied, dms. lb. .1560- —
light-pressed, dms. lb. .1210- —
tanks lb. .1050- —
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gm. dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gm., dms. 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gm., dms. 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gm., dms. 1,000,000 units. .10½- .11
100,000 A units per gm., dms., 1,000,000 units. .12 - .14
200,000 A units per gm. dms. 1,000,000 units. .12 - .14
300,000 A units per gm., dms. 1,000,000 units. .12 - .14½
400,000 A units per gm., dms., 1,000,000 units. .12 - .14½
800,000 A units per gm., dms. 1,000,000 units. .12 - .14½

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots. oz. 9.00 - 10.50
Gaultheria (see Oil wintergreen)
Geranium, Algerian, cns. lb. 10.00 - 16.50
Bourbon, cns lb. 9.75 - 12.25
Turkish (see Oil palmarosa)
Ginger, dist., bots. lb. 12.50 - 14.00
Grapefruit, dms lb. 2.75 - 3.50
Grease, No. 1, dms lb. .11¼- .11¾
extra, winter, strained, dms lb. .12½- .13
prime, burning, dms. lb. .14 - .14½
Guaiacwood, cns. lb. 1.40 - 1.90
Hemlock cns lb 2.10 2.50
Juniper berry, NF, VIII, bots. lb. 2.75 - 4.00
twice rectified, bots lb 3.60 7.00
Tar, NF (see Juniper tar).
Wood tech cns. lb. .42 - .50
Lard (see Oil grease).
Laurel leaf, dms., cns. lb. 9.75 - 12.50
Lavandin, dms., cns lb. 2.10 - 2.30
Lavender, flower, USP, French, 30-32% ester, cns lb 3.00 5.00
38-40% ester, cns lb. 5.25 7.25
40-42% ester, cns. lb. 6.00 7.35
Spike, Spanish, cns lb. 1.45 - 2.00

Oil, lemon, USP, Calif., cns., dms lb. 6.25 - 6.75
Messina, cns. lb. 6.00 - 9.00
terpeneless, bots. lb. 32.00 - 85.00
Lemongrass, cns., dms. lb. 1.05 - 1.45
Lime, distilled, Mexican, cns. lb. 6.00 - 6.50
West Indian, cns lb 6.60 - 7.25
expressed, West Indian, cns lb 7.85 - 9.50
terpeneless, bots. lb. 45.00 - 90.00
Linseed, raw, dms., c.l., N. Y. lb. .1695- —
l.c.l., dms. lb. .1750- .17¾
tankcars, f.o.b., Minneapolis lb. .1420- —
New York lb. .1545- —
tankwagon, N. Y. lb. .1575- —
Boiled, linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms lb. 2.90 4.25
Mandarin, Floridian, dms. lb. 3.00 - 5.35
Italian, cns lb. 6.50 - 8.50
Menhaden, crude, tanks, Balto. lb. .07 Nom.
Gulf ports lb. .07 Nom.
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. lb. .16½- .16¾
synthetic, cns., dms lb 1.60 1.85
Neatsfoot, 15°, cold test, dms lb. .33 - .34
20°, dms. lb. .32 - .33
30° dms. lb. .30 - .31
Neroli, NF, French, bots. lb. 200.00 - —
petale, bots lb 40.00 - 150.00
Nutmeg, USP dist., East Indian, cns., dms lb. 2.85 - 3.65
West Indian, cns., dms lb. 2.60 - 3.65
Ocotea cymbarum, dms. lb. .70 - 1.00
Oiticica, liquid, dms. lb. .25 - .25½
tankcars lb. .23 - .23¼
Oleo, extra, dms. lb. .13 - .13½
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots lb 8.00 —
Olive, commercial, dms gal 2.25 - —
edible, dms., duty paid lb. 2.75 - 2.80
foots, dms. lb 15 .15½

Oil, orange, sweet, dist., cns lb. .40 - .80
expressed, USP, Brazilian, cns., dms lb No stocks.
Calif., cns., dms. lb. .80 - 1.25
Florida, cns., dms. lb. .75 - 1.25
Messina, cns. lb. 3.85 - 5.85
West Indian, cns lb 2.75 - 4.00
sesquiterpeneless, bots lb. 135.00 - 150.00
Origanum, Spanish, cns lb. 2.15 - 3.05
Palm, clarified, dms. lb. .11¾- .14
Palm kernel, in bond, tanks lb. .15 - —
Palmarosa, cns. lb. 5.75 - 6.50
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery gal .14 —
Patchouli, dms. lb. 7.25 - 8.25
Peach, kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, f.o.b. mills. lb. .19½- —
refined, dms. lb. .25¼- .25½
tanks lb. .23¼- —
Pennyroyal, USP, imported, cns lb. 1.75 - 2.40
Peppermint, natural, dms. lb. 5.25 - 6.75
redist., USP, dms. lb. 5.50 - 7.75
Persic, USP (see Oil, apricot kernel)
Petitgrain, Paraguay, cns., dms lb. 2.25 - 2.65
Pimento berry, NF, dms. lb. 4.60 - 5.75
leaf, cns. lb. 2.50 - 3.00
Pine, dest., dist., dms., extra, c.l., works gal. 70½ —
l.c.l. gal. 76½ —
ex whse gal. 95½- —
steam dist., dms., ex whse., N.Y.C lb. 143 - —
Pineneedle, Siberian (see Oil, abies siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l. same basis lb. .12 - —
tanks, same basis lb 10 - —
Rapeseed, tankcars lb. .17¼- —

Oil, red (see Acid, oleic).
Rice, bran, clarif., dms. lb. .16½- .17
tanks, dlvd. E. lb. .14 - .14½
Rose, natural, Bulgarian, bots oz. 55.00 - 62.25
Rosemary, Spanish, tech., cns., dms. lb. .65 - .95
USP, cns., dms. lb. .80 - .95
Rue, bots lb. 2.25 - 2.50
Safflower, dms. c.l., Atlantic coast. lb. .16½- —
tanks, same basis lb. .15 - —
Sage, clary, bots. lb. 20.00 - 25.00
Dalmatian, cns. lb. 7.00 - 8.00
Spanish, cns lb 90 1.25
Sandalwood, NF, cns lb. 9.75 - 11.50
Sardine, crude, tanks, Pac. coast, lb No stocks.
Sassafrass, artificial, dms. lb. .45 - .70
natural, Brazilian (See Oil, ocotea cymbarum)
domestic, USP, cns., dms. lb. 1.75 - 2.25
Savin, cns lb. 2.75 —
Savory, cns. lb No stocks.
Sesame, refd., dms lb. .36 .37
Shingle stain, tar distillate, dms., c.l., works lb. .33 —
l.c.l., works lb. .35 —
tanks, works lb 23 —
Snakeroot, Canada, cns. lb. 29.50 - 33.00
Soybean, crude, tanks, mills lb. .10⅜- —
foots (soapstock), acid, 95%, tanks, N. Y. lb. .06½- —
raw, 50%, tanks, N. Y. lb. .03 - —
refined, alkali, dms., c.l. lb. .14½- —
l.c.l. lb. .15 - .15½
tanks lb. .13 - —
clarified, dms., c.l. lb. .14 - —
l.c.l. lb. .14½- .14⅝
tanks lb. .12½- —
salad, dms. lb. .14¾- .14⅞
tanks lb. .13¾- —

The proof of the product is in the USAGE!

More than 80% of all lemon oil used in the U. S. is EXCHANGE Brand! An amazing endorsement! The reasons are simple. Only carefully selected lemons from the groves of sunny California are used to make EXCHANGE Oil of Lemon. This fine fruit, plus skillful processing, gives you lemon oil with superior flavor, consistent aroma and clarity with no cloud or sediment. For complete satisfaction, just specify EXCHANGE Oil of Lemon when you order.

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Sunkist Growers
Products Dept., Ontario, California
Produced by
Exchange Lemon Products Co.
Corona, California

Oil, Spearmint, USP—Paratoluenesulphonamide

Oil, spearmint, USP, dms	lb.	8.00	- 9.25
Sperm, bleached, winter, 45°, dms	lb.	.1420-	.1470
tankcars	lb.	.1270-	—
natural, winter, 45°, dms	lb.	.1300-	.1350
tankcars	lb.	.1150-	—
Spruce, cns., dms	lb.	2.10	- 2.75
Sweet birch, USP, Northern, cns.	lb.	4.95	- 9.50
Southern, cns	lb.	2.00	- 3.25
Tall, crude, tanks, works	lb.	.02¼-	.02½
refined, dms., c.l., works	lb.	.06¼-	.07¼
l.c.l., works	lb.	.06½-	.07½
tanks, works	lb.	.05	- .06
Tallow, acidless, dms	lb.	.11	- .11½
Tansy, dms	lb	8.25	9.00
Tar pine, com'l., dms., extra, c.l., works	gal.	.44	- —
l.c.l., works	gal.	.50½-	—
whse.		.0678-	—
tanks, works	gal.	.35	- —
rectified, NF, l.c.l., dms. extra, works, South	gal.	.90	- —
whse N.Y.C.	gal.	1.00	- —
Tar acid (see Ta			
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms	lb.	1.70	- 3.75
white cns	lb	2.25	4.00
tech., white, cns	lb.	.40	- 1.85
Tung, dms., c.l., N. Y.	lb.	.29¾-	—
l.c.l.	lb.	.30½-	.31
tanks, N. Y.	lb.	.28	- —
mills	lb.	.27¼-	—
Turkey red (see Oil, castor, sulphonated).			
Turpentine, NF, cns., dms	lb.	.20	- .45
Vetiver, Bourbon, cns	lb.	18.00	-21.50
Haitian, cns.	lb.	14.50	-16.00
Java, cns	lb.	25.00	-35.00
Oil wheat germ, 5-gal. dms	gal.	10.00	-13.00
White mineral, tech., 50-65 vis., dms., c.l.	gal.	.51¼-	.54½
l.c.l.	gal.	.56½-	.57½
65-75 vis., dms., c.l	gal.	.52½-	.55½
l.c.l.	gal.	.57½	.58½
NF, 80-90 vis., dms., c.l.	gal.	.53½-	.56½
l.c.l.	gal.	.58½	.59½
125-135 vis., dms., c.l	gal.	.59½-	.62½
l.c.l.	gal.	.64½-	.65½
145-155 vis., dms., c.l	gal.	.66	- .68½
l.c.l.	gal.	.71	- 71½
175-185 vis., dms., c.l.	gal.	.69½-	73
l.c.l.	gal	74½	76
USP, 200-210 vis., dms., c.l.	gal.	.72½-	.75
l.c.l.	gal.	.77½	.78
345-355 vis., dms., c.l.	gal.	77	.80
l.c.l.	gal	.83	.85
Wintergreen, USP, nat., Northern, cns	lb.	7.15	-14.50
Southern, cns	lb.	3.20	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, cns.	lb.	8.25	- 9.75
Wormwood, cns.	lb.	5.65	- 6.85
Ylang-ylang Bourbon, bots	lb	18.00	30.00
extra, bots	lb.	30.00	40.00
Madagascar bots	lb	No stocks	
Oleostearin, bbls.	lb.	.08	- .08¼
Olivine aggregate, c.l., mines	ton	7.00	9.50
crushed 8 mesh, bulk, c.l works	ton	10.00	—
paper, bgs, c.l., works	ton	12.00	—
Opium, USP, cns	lb.	19.20	-19.45
gran., USP, cns	lb	21.65	-21.90
powd., USP, cns	lb	21.65	-21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies	lb.	1.20	- —
Chrome, CP, bbls., dlvd. N. of Tenn and N. C., E. of Miss. R., include Davenport, Tenn. and N. C. E of Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.31	- —

Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.

Dinitroanilin toner	lb.	1.30	- —
Mineral, American, bbls, l.c.l., ship't point, frt. alld.	lb.	.1960-	—
Molybdated, bbls	lb.	.44	- —
Orthonitroanilin toner, kgs	lb.	1.15	- —
Persian, bbls	lb.	.65	- —
Orange flowers, bls	lb.	.55	- .56
Peel, bitter Haitian, bls	lb.	.12	- .14
sweet, bls	lb.	.16	- .18
Oregano Italian bgs	lb.	.24	Nom.
Mexican bgs	lb.	.35	Nom.
Syrian, bgs.	lb.	.18½-	.19
Orris root, Florentine, bls	lb.	.29	- .30
powdered, bbls., bxs	lb.	.35	- .38
Verona, bls	lb.	.17	- .18
powdered, bbls., bxs	lb.	.22	- .23
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.37	- —
Orthoanisidin, bbls.	lb.	.88	- —
Orthochloroanilin, dms., c.l.	lb.	.70	- —
l.c.l.	lb.	.72	- —
Orthochlorobenzaldehyde, dms., works	lb.	1.20	- —
Orthochloroparanitroanilin, dms., dlvd	lb.	.86	- —
Orthochlorophenol dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Orthocresol, pure, 30° C., non-ret., dms., c.l., frt. equald	lb.	.173	- —
l.c.l., same basis	lb.	.176	- —
ret. dms., c.l., same basis	lb.	.17	- —
l.c.l., same basis	lb.	.17½-	—
tanks, same basis	lb.	.16	- —
29°C., ret. dms., c.l., same basis.	lb.	.16	- —
l.c.l., same basis	lb.	.16½-	—
tanks, same basis	lb.	.15	- —
25-29°C., non-ret. dms., c.l., same basis	lb.	.153	- —
l.c.l. same basis	lb.	.156	- —
tanks, same basis	lb.	.140	- —
Orthodichlorobenzene, dms. c.l., works, frt. alld. E. of Rockies	lb.	.12¼-	—
l.c.l., same basis	lb.	.13¼-	—
tanks, same basis	lb.	.10¾-	—
Orthoisopropyl N phenylcarbamate (See IPC).			
Orthonitroanilin dms	lb.	.50	.56
Orthonitrochlorobenzene dms	lb.	.20	.21
Orthonitrobiphenyl tech. dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparaenlorophenol cns	lb.	.75	—
Orthonitrophenol bbls. works	lb.	.94	—
Orthonitrotoluene dms., c.l., frt. alld.	lb	10	- —
l.c.l., frt. alld	lb.	.11	- —
tanks, frt. alld	lb.	.09	- —
Ortnophenetidin dms. works	lb	1.00	—
Orthophenylphenol bb dms., works.	lb.	.20	.44
Ortho-tertiary-amylphenol, dms., c.l., works	lb.	.43¾	—
l.c.l., works	lb.	.46¾-	—
tanks, works	lb.	.41¼-	—
Orthotolidin (see Tolidine Base).			
Orthotoluidin, dms., c.l., works	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
tanks, same basis	lb.	.22	- —
Osage orange, crystals, No. 1, bbls., l.c.l	lb.	.40	- —
extract, liquid, No. 1, bbls., l.c.l	lb.	.19	- —
Ouabain, USP, bots	gram	3.00	- 4.00
Ox bile, extract, powdered, USP 5-lb. lots or more	lb.	6.00	- —
not extract, powdered 5-lb. lots or more	lb.	4.35	- —
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75	- 5.00
smaller lots, works	lb.	4.92	- 5.17

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Pancreas substance, assay 1:75 bots., 5-lb. lots or more	lb.	5.75	- —
Pancreatin, USP bots	lb.	2.50	- 3.00
Panthenol, bots., works, frt. adjust.	kilo	90.00	- —
Papain, powdered, African, fib. dms.	lb.	6.50	- 7.50
Ceylon, ordinary, fib. dms	lb.	5.00	- 5.50
white, fib. dms.	lb.	6.25	- 7.25
Papaverine, natural or synthetic hydrochloride, USP, cns., 25 oz. to 100 oz., lots	oz.	5.00	- —
smaller lots	oz.	5.05	- 5.20
Sulphate, cns	oz.	7.10	- 7.35
Paprika, Algerian, bgs	lb.	.27	- .28
Czech, bgs.	lb.	.34	- .36
Moroccan, bgs.	lb.	.24	- .25
Spanish, bgs	lb.	.42	- .46
Para-anisidin, dms., works	lb.	.97	- —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol, dms., frt. alld	lb	.97	- .98
Parachloroanilin, dms., frt. alld., E. of Miss	lb.	.75	- —
Parachlorobenzaldehyde, dms., works	lb.	1.33	- 1.36
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.73	- .82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Paracresol, 98%, dms., c.l., dlvd	lb.	.49	- —
l.c.l., dlvd.	lb.	.51	- —
Methylether, cns	lb.	1.90	- 2.50
Paracymene, dms., 50-gal. lots or more, works	gal.	2.50	- —
smaller lots	gal.	3.00	- —
Paradibromobenzene, bgs. 300-lb. lots.	lb.	.55	- —
Paradichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.14½-	.16¼
l.c.l., same basis	lb.	.17	- .19
USP X, fib dms., c.l.	lb.	.198	- —
10,000-lb lots	lb.	.198	- —
1,000-lb. lots	lb.	.198	- —
smaller lots	lb.	.208	- —
Paraffin, crude, scale, white, 121°-123°F, ASTM, solid, c.l., ref'y	lb.	.06	- —
fully refined, 122-124 ASTM, loose, c.l., rfy	lb.	.0795-	—
125°-127°F, ASTM, loose, c.l., rfy	lb.	.0795-	—
130°-132°F, ASTM, loose, c.l., ref'y	lb.	.0805-	—
132°-134°F, ASTM, loose, c.l., ref'y	lb.	.0805-	—
135°-137°F, ASTM, loose, c.l., ref'y	lb.	.0805-	—

Prices for paraffin in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, tech., 91%, powd., bgs., c.l., frt. alld.	lb.	.15½-	—
l.c.l., frt. alld	lb.	.17	- —
flake, bgs., c.l., frt. alld	lb.	.12	- —
l.c.l., frt. alld	lb.	.13½-	—
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works	lb.	.1385-	.1650
l.c.l., works	lb.	.1485-	.1750
tanks, works	lb.	.1200-	.1500
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.50½-	—
l.c.l., works, frt. alld	lb.	.53½-	—
Paranitrochlorobenzene, kgs., works.	lb.	.26	- .27
Paranitrophenol, kgs., works, frt. equald	lb.	.50	- —
Paranitrotoluene, kgs., frt. alld	lb.	.36	- —
Paraphenetidin, dms., works	lb.	1.00	- —
Paraphenylenediamine, redistilled, dms., works	lb.	2.00	- —
tech., refd., dms., same basis	lb.	1.10	- 1.35
Paraphenylphenol, bgs., c.l., works.	lb.	.37½-	—
l.c.l., same basis	lb.	.42	- —
Para-tertiary-butylphenol, bgs., c.l., works	lb.	.27½-	—
l.c.l., same basis	lb.	.28½-	—
Parathion, spray powder, 15%, dealers, tins	lb.	.53	- .59
tech., dms., works	lb.	1.50	- —
Para-tertiary-amylphenol, ctns., c.l., works	lb.	.26	- —
l.c.l., works	lb.	.27	- —
tanks, works	lb.	.25	- —
Paratoluenesulphonamide, flake, bbls., frt. alld	lb.	.64	- .66
powd., bbls., works	lb.	.70	- —
solid, bbls., frt. alla	lb.	.61	- —

ESSO SOLVENTS are being used in more and more industries where processing requires *versatility* plus dependability. A great many different industries such as paint—textiles—chemicals—food packaging—leather—many others are using versatile Esso Solvents.

YOU GET ALL 6 OF THESE IMPORTANT FEATURES WITH ESSO SOLVENTS

1. Multi-storage availability — water terminals in industrial centers.

2. Uniformity — made in modern refineries from carefully selected crude oil sources.

3. Economy—A storage facility near you for low freight cost and quick delivery.

4. Controlled evaporation — available in a wide range of evaporation rates with precise characteristics to meet your requirements.

5. Solvency — Esso aliphatics and Solvesso aromatics cover both high and low solvency ranges.

6. Modern handling methods — separate tank storage, pumping lines, tank cars and trucks, are used throughout in all Esso Solvent handling operations.

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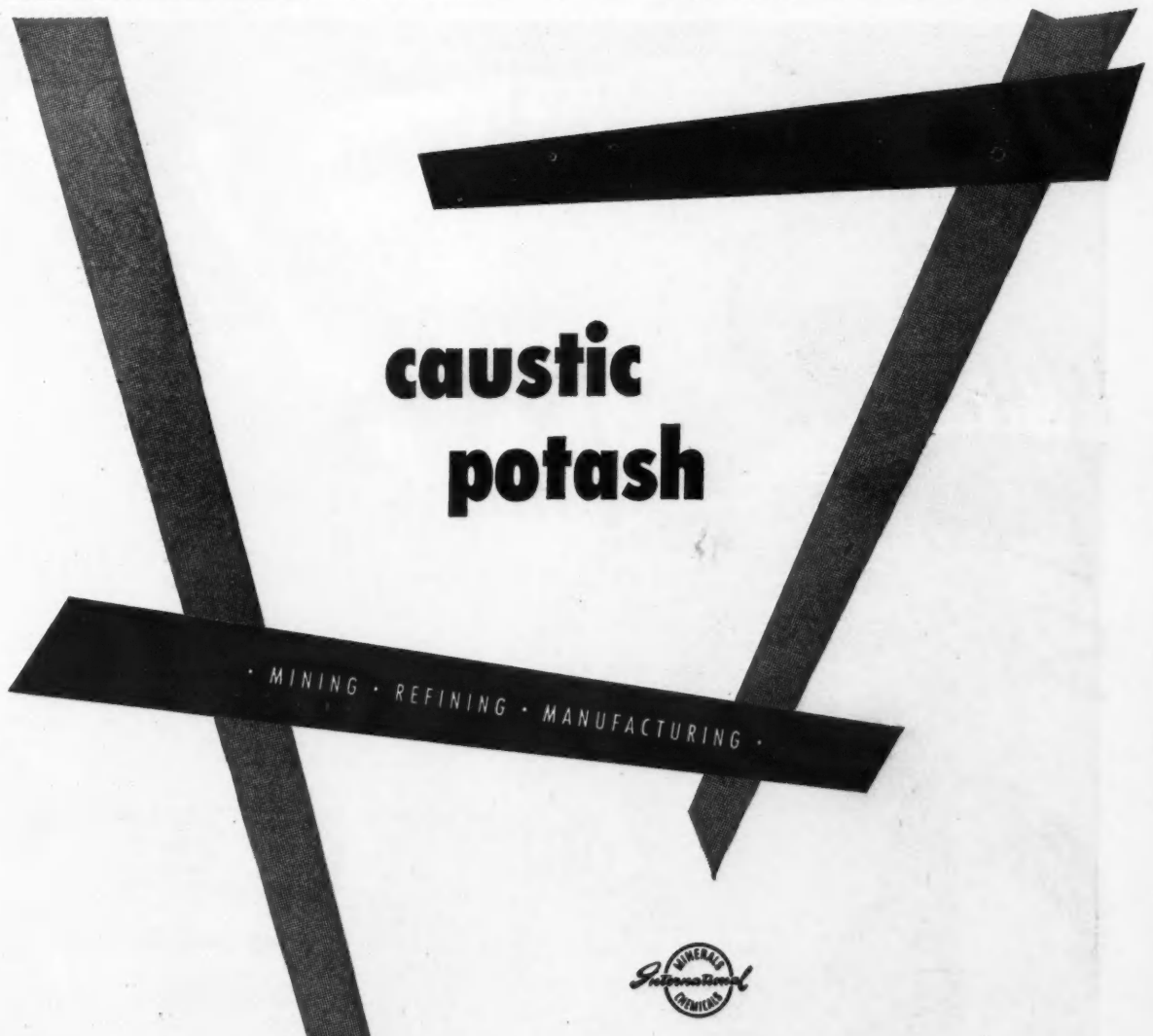
Boston, Mass. — New York, N. Y. — Elizabeth, N. J. Philadelphia, Pa. — Baltimore, Md. — Richmond, Va. Charleston, W.Va.—Charlotte, N. C.—Columbia, S. C. Memphis, Tenn.—New Orleans, La.

Paratoluidin flake, bbls., frt. alld. lb.	.64	—
solid, bbls., frt. alld. lb.	.60	.61
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb.	.36	.40
l.c.l., same basis lb.	.37	.53
Passion flower herb, bls. lb	.25	.26
Peanut meal, 45%, old proc., sacked, mills ton.	65.00	—
solvent, same basis ton.	62.00	—
Pectin, citrous, NF, powd., bbls lb	2.05	2.06
tech., powd., bbls lb.	1.50	—
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units	.08½	.09
Procaine, bulk, 1,000,000 units	.08½	.09
Sodium, sterile, bulk, 1,000,000 units	.08½	.09
Pennyroyal herb, bls lb.	.45	.50
Pentachlorophenol, dms., c.l., works, frt. equald lb.	.21	—
l.c.l., same basis lb.	.24	29
truckload, 20,000 lbs. min. same basis lb.	.21¼	—
Pentaerythritol, tech., bgs., c.l., works lb.	.34	—
l.c.l., works lb.	.35	.36
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).		
Pentane, industrial tanks, group 3, gal.	12	.13½
Pepper, black, Malabar, spot, bgs lb.	1.29	1.30
red, Carolina, long, bgs lb.	.44	.45
Gondar, bgs. lb.	.22	.23
Japanese nontakas, bgs lb.	.45	.46
birdseyes, bgs., afloat lb.	.70	.72
Louisiana longs, bgs lb.	.45	Nom.
Mississippi sports, bgs., source, new crop lb.	.45	Nom.
Mombasa, bgs., ship't lb.	.52	—
Nigerian, bgs. lb.	.33	.34
Turkish, bgs lb.	.28	.29
Uganda, bgs lb.	.30½	Nom.
Zanzibar, bgs lb.	.50	.52
white, bgs lb.	1.35	1.40
Peppermint leaves, USP, bls., dms lb.	.65	.66
imported, bls. lb.	1.05	Nom.
Pepsin, NF, 1:3,000, bulk lb.	3.75	3.90
Perchloroethylene, dms. c.l., or truckloads, works lb.	.11½	—
divd. E lb.	.11½	—
l.c.l., divd., ex whse lb.	.13½	—
divd. E lb.	.13½	—
Peru balsam, dms. lb.	1.30	2.00
Petrolatum, amber, dms., c.l., refy. lb.	.04¾	.05⅛
l.c.l., divd. lb.	.06½	—
tanks, refy lb.	.03½	.04⅛
cream, dms., c.l., refy lb.	.06	.07⅛
l.c.l., divd. lb.	.08¼	—
tanks, refy lb.	.04¾	.05⅛
extra, amber, dms., c.l., refy lb.	.05	.05⅞
l.c.l., divd. lb.	.06¾	—
tanks, refy lb.	.03¾	.04⅜
USP, white, lily, dms., c.l., ref'y. lb.	.06⅜	.07½
l.c.l., divd lb.	.08⅜	—
tanks, refy lb.	.03⅛	.06
soft, dms., c.l., refy lb.	.06⅜	.07¾
l.c.l., divd. lb.	.08¼	—
tanks, ref'y lb.	.03⅛	—
snow, dms., c.l., refy lb.	.06⅛	.08
l.c.l., divd. lb.	.08½	—
tanks, refy lb.	.03⅛	.06½
yellow, soft, dms., c.l., refy lb.	.05	.05⅞
l.c.l., divd. lb.	.06⅜	—
tanks, ref'y lb.	.03⅛	—
Petroleum, crude, bulk, at wells, California bbl.	1.42	3.53
Illinois bbl.	2.44	2.97
Kentucky bbl.	2.42	2.53
Louisiana-Arkansas bbl.	2.06	2.90
Montana bbl.	1.28	3.025
Oklahoma-Kansas bbl.	2.16	2.90
Penna., lower field bbl.	3.91	—
Upper field bbl.	4.40	—
Texas, East bbl.	2.05	2.90
Gulf coast bbl.	2.38	3.15
North, North-Central bbl.	2.23	2.90
Panhandle bbl.	2.23	2.90
West bbl.	2.10	2.90
Wyoming bbl.	1.28	2.90
Fuel oil, bunker C, No. 6, California heavy tanks, refinery bbl.	1.80	2.10
eastern, tanks, Baltimore, Md. bbl.	2.16	—
Boston, Mass. bbl.	2.17	—
Charleston, S. C. bbl.	2.08	—
Jacksonville, Fla. bbl.	2.05	—
New York Harbor bbl.	2.13	—
Norfolk, Va bbl.	2.11	—
Philadelphia, Pa bbl.	2.13	—
Portland, Me. bbl.	2.17	—
Providence, R. I. bbl.	2.14	—
Savannah, Ga bbl.	2.08	—
Diesel, tanks, refinery, California gal.	.1025	.133
Pennsylvania gal.	.0925	.1045
Furnace, tanks, refinery, Arkansas, No. 2 gal.	.08375	—
No. 3 gal.	.08	—
N. Y. Harbor, No. 2 gal.	.0925	.0975
group 3, No. 1 gal.	.0775	.0875
No. 1, straw gal.	.09	.09375
No 2, straw gal.	.0725	.0775
range gal.	.0875	—
Pennsylvania, western, No. 1 gal.	.1075	.1135
No. 2 gal.	.1075	.1120
No. 3 gal.	.1025	.1050
Lacquer diluent, California, 170-225°F., b.r., tankwagon, ex tax, f.o.b. Los Angeles, gal.	.183	—
East coast, tanks, N. J. and N. Y refinery gal.	.18	—
group 3, benzol-type, tanks, refinery gal.	.13125	.13625
toluol-type, tanks, refinery, gal.	.12125	.12375
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco gal.	.174	—
East coast, tanks, N.J., N.Y. gal.	.17	—
Group 3, tanks gal.	.11875	—
tankwagon, Baltimore gal.	.155	—
Boston gal.	.19	—
Buffalo gal.	.185	—
Newark gal.	.18	—
New York gal.	.165	.18
Philadelphia gal.	.155	—
Pittsburgh gal.	.19	—
Providence gal.	.195	—
Rochester gal.	.20	—
Syracuse gal.	.21	—
Washington, D. C. gal.	.205	—
specially refined, tanks, f.o.b. Watson, Calif. gal.	.244	—
f.o.b. Borger, Tex. gal.	.24	—
f.o.b. Houston, Texas, gal.	.24	—
f.o.b. Wood River, Ill. gal.	.2625	—
tank transport, f.o.b. Carteret, N. J gal.	.336	—
tankwagon, N. Y. and N. J. gal.	.37	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery gal.	.17	—
group 3, tanks gal.	.12375	—
tankwagon, Newark gal.	.18	—
New York gal.	.18	—
Philadelphia gal.	.165	.17
high flash, 140°, group 3, refinery, tanks gal.	.134	.1425
Petroleum naphtha, high solvency, 200-285 b.r. 37-38°C., mixed anilin pt tanks, refinery or East Coast gal.	.27½	—
25-26° C., m.a.p., tanks, same basis gal.	.24	.32½
270-370 b.r., 78-81°C., m.a.p., tanks, same basis gal.	.31	—
49°C, m.a.p., tank, same basis gal.	.32	—
26-27° C., m.a.p., tanks, same basis gal.	.24	.31
300-400 b.r., 28-32° C., m.a.p., tanks, same basis gal.	.24	.32½
340-410 b.r., 36° C., m.a.p., tanks, same basis gal.	.24	—
32° C., m.a.p., tanks, same basis gal.	.24	.30½
27° C., m.a.p., tanks same basis gal.	.35½	—
350-425 b.r., 32° C., m.a.p., tanks, same basis gal.	.32½	—
V.M.&P., tanks, ref'd, California, 245-360 b.r., Los Angeles gal.	.168	—
Portland, Ore gal.	.174	—
San Francisco gal.	.173	—
Seattle, Wash gal.	.174	—
East coast N. J., N. Y., tanks gal.	.18	—
Group 3, tanks gal.	.12875	—
tankwagon, Boston gal.	.205	—
Newark gal.	.195	—
New York gal.	.195	—
Philadelphia gal.	.165	—
Pittsburgh gal.	.21	—
Solvent, rubber, California, tanks, ex tax, San Francisco gal.	.173	—
East Coast, N. J., N. Y. gal	.18	—
Group 3, tanks gal.	.12875	—
Petroleum solvent, Stoddard, California, tankwagon ex tax, Los Angeles gal.	.173	—
East coast, N. J., N. Y., tanks gal.	.17	—
Group 3, tanks gal.	.12375	—
Pennsylvania, western, tanks, gal.	.14	.15
tankwagon, Boston gal.	.19	—
Newark gal.	.18	—
New York gal.	.18	—
Philadelphia gal.	.165	.17
Pittsburgh gal.	.19	—
Syracuse gal.	.21	—
Sulphonate, oil soluble, 70%, sulphonate content, non-ret. dms., c.l., works lb.	.2040	—
l.c.l., works lb.	.2065	—
tanks, works lb.	.1850	—
60-62% sulphonic content, non-ret. dms., works lb.	.175	.20
l.c.l., works lb.	.185	.202
tanks, works lb.	.145	.185
50-55% sulphonic content, non-ret. dms., works lb.	.155	—
l.c.l., works lb.	.165	—
tanks, works lb.	.125	—
Phenobarbital, USP, dms., 100 lb. lots lb.	4.00	—
Phenobarbital-sodium, USP, dms., 100-lb. lots lb.	4.00	—
Phenol, 90-92% (cresol, 8-10%), non-ret. dms., c.l. frt alld. E. of Rockies lb.	.17¾	—
l.c.l., same basis lb.	.18½	—
ret., dms., c.l., same basis lb.	.17	—
l.c.l., same basis lb.	.17½	—
tanks, same basis lb.	.16	—
Phenol, 82-84% (cresol, 16-18%), non-ret., drums, c.l., same basis lb.	.17¾	—
l.c.l., same basis lb.	.18½	—
ret., dms., c.l., same basis lb.	.17	—
l.c.l., same basis lb.	.17½	—
tanks, same basis lb.	.16	—
39° or above, tar distilled, non-ret. dms., c.l., same basis lb.	.19¼	—
l.c.l., same basis lb.	.20	—
tanks lb.	.17½	.18
ret dms., c.l., same basis lb.	.19	—
l.c.l., same basis lb.	.19½	—
tanks, same basis lb.	.17½	.18
USP, synthetic, dms., c.l., same basis lb.	.19¾	—
l.c.l., same basis lb.	.20½	—
tanks, same basis lb.	.18	—
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots lb	1.10	—
smaller lots lb	1.12	1.17
Phenothiazin, NF, 6b dms., c.l., frt. adjusted lb.	.50	—
over 2,100 lbs., same basis lb.	.52	—
less than 2,100 lbs., same basis, lb.	.54	—
Phenyl acetate, dms. 100 lb. lots, works lb	.50	—
Salicylate (see Salol)		
Phenylacetaldehyde solution, 50%, bots lb	2.40	2.70
100% bots lb	4.00	4.65
Phenylacetamide 125-lb dms., works lb.	1.10	—
smaller dms., works lb	1.15	1.19



Soap quality and grade consistency depend so much on the uniformity of your raw materials, it's good to have a source of supply in which you have complete confidence. That's why so many manufacturers are depending regularly on *International* for *Caustic Potash*. You'll find that *International Caustic Potash* is virtually free of impurities, consistently low in iron, copper and nickel. So for your requirements of Caustic Potash for the production of soap or other products, call *International* and be sure.

CAUSTIC POTASH—*all standard grades*

CARBONATE OF POTASH—*all standard grades*

POTASSIUM CHLORIDE—*refined and technical grades*

SULFATE OF POTASH • LIQUID CHLORINE

FERRIC CHLORIDE • HYDROCHLORIC ACID

FOR SOAP MAKING

Special low iron grade—45-50%. Available in 675 lb. drums and tank cars.

GENERAL CHEMICAL USE

SOLID—90%. Available in 700 lb. drums.

FLAKE—90%. Available in 100, 200 & 400 lb. drums.

GRANULAR (BROKEN)—90%. Available in 100, 210 & 425 lb. drums.

LIQUID—Iron free, a clear water-white solution of 45%. Available in tank cars and 675 lb. drums.

LIQUID—Special low chloride, iron-free grade—45%.

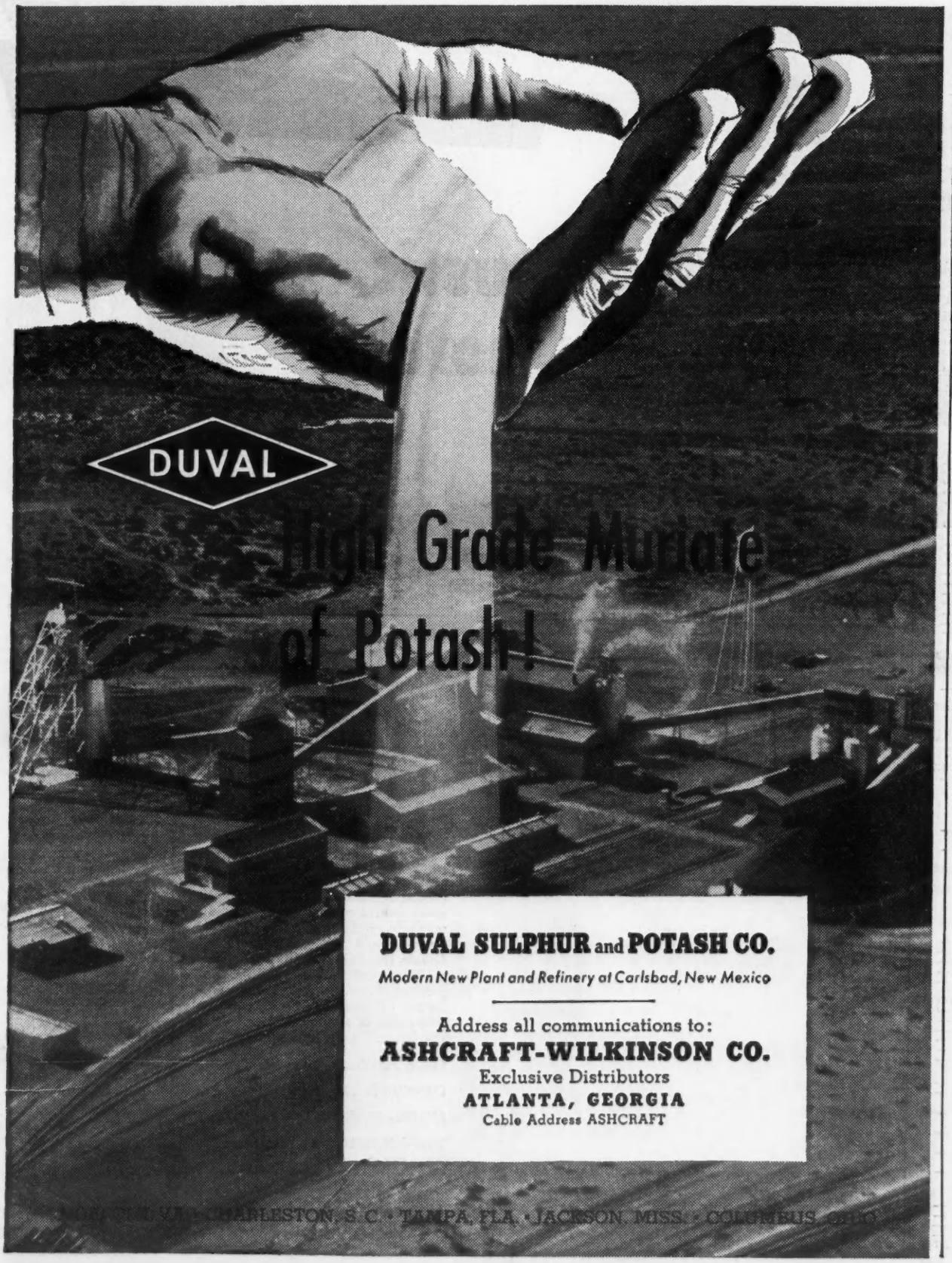
AMERICAN SELECTED WALNUT—Available in 100, 210 & 425 lb. drums.

INTERNATIONAL MINERALS & CHEMICAL CORPORATION

Address all inquiries to Industrial Sales Dept., Potash Division • General Offices: 20 North Wacker Drive, Chicago 6 • 61 Broadway, New York 6.

Phenylalamine—Potassium-Sodium Tartrate

Phenylalamine dextro-laevo, dms., works lb. 27.00 - 37.50
Phenylcarbethoxy pyrazolone, 250-lb fib. dms., dlvd. E. lb. 3.60 - —
less than 250-lb. dms., dlvd E lb. 4.00 - —
Phenyldiethanolamine, dms., c.l., dlvd E. lb. .40 - —
l.c.l., dlvd. E lb. .41 - —
Phenylethanolamine, dms., c.l., works lb. .69½- —
l.c.l., same basis lb. .70 - —
Phenylethyl acetate, bots. 1.35 - 1.95
Phenylethylphenyl acetate, bots. lb. 3.95 - 4.40
Phenylhydrazin base, CP, bots lb 3.00 - 3.07
Hydrochloride, commercial, kgs., works lb 1.75 - —
purified, bots., works lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, comi., fib. dms., works lb 6.40 - —
C.P., bots., fib. dms lb. 17.00 - 17.25
tech., fib., dms works lb. 10.45 - —
Phosgene, 150-lb cyls., works lb. .27½- —
Phosphate defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports ton. 45.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis long ton. 4.88 - —
72-70%, b.p.l., c.l., same basis long ton. 5.48 - —
75%-74%, b.p.l., c.l., same basis long ton. 6.48 - —
77%-78%, b.p.l., c.l., same basis long ton. 7.48 - —
Phosphate rock, Florida, land pebbie, run-of-mine, washed, dried, finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines, short ton. 5.15 - —
68%, b.p.l., basis 31%P_2O_5 minimum, mines, short ton. 5.35 - —
70%, b.p.l. basis 32% P_2O_5 minimum, mines, short ton 5.70 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher.
Phosphorus, red, amorphous cs., lb. .46 - .47
dms. lb. .44 - .45
yellow, cns., works lb. .48 - .50
dms., c.l., works lb. .40 - —
l.c.l., works lb. .43 - —
Oxychloride, dms., c.l., works lb. .14 - —
l.c.l., dms., works lb. .17 - —
tankcars, works lb. .12½- —
Pentasulphide, solid, dms., c.l., works lb. .11½- —
l.c.l., dms., works lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .13½- —
l.c.l., works lb. .16½- —
Sesquisulphide, tins, cs., works lb. .29 - —
dms., export lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .17 - —
tankcars, works lb. .12¼- —
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .21½- —
Phthalic anhydride in bags., ½c. per pound higher.
Phthalimide, 97%-98% dms. works, frt. alld lb. .65 - —
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs. lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline).
Pilocarpine hydrochloride, NF, bots. oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.10 - —
Pimento, Guatemala, bgs. lb. .20 Nom.
Jamaica, bgs. lb. .28 - .29
Mexican, bgs. lb. .21½- .22
Pinetar, retort, dms., incl. c.l., works lb. .0511- —
l.c.l., same basis lb. .0568- —
whse. lb. .0678- —
Pinkroot, bls. lb. 2.50 - 2.75
Piperazine hexahydrate, French Codextro, bots. kilo. 8.00 - 8.50
Piperidine, 98%, dms., frt. equald, lb. 2.90 - 3.00
Piperonyl butoxide, dms., dlvd. E lb 5.00 - 5.30
Cyclonene, dms., dlvd. E lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l., works 100 lbs. 9.80 - 10.25
Coaltar, 140°-150° F., m.p., dms., c.l., works ton. 41.20 - 42.09
Cottonseed, dms., works lb. .02¼- .03
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms lb. .06 Nom.
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾- .04½
Plaster of Paris (see Gypsum).
Platinum metal, works oz. 90.00 - 93.00
Pleurisy root, bls. lb. .45 - .50
Podophyllum resin, NF, dms. lb. 9.00 - 11.00
Pokeroot, bls. lb. .20 - .22
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works. lb. .45 - —
lb. .45 - —
smaller lots, works lb. .48 - .50
Polyoxyethylene tristearate, dms., 20,000 lbs., works lb. .43 - —
10,000-20,000-lb. lots, works, smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .35½- .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis, lb. .36½- —
standard, bgs lb. .35½- .36
crystals, heat-resistant, bgs., c.l. lb. .34 - —
l.c.l. lb. .34½- —
standard, bgs., c.l. lb. .32½- —
l.c.l. lb. .33 - —
Polystyrene in non-returnable fib., dms., ½c. per lb. higher.
Pomegranate root bark, bgs lb. .75 - .76
Poppy flowers, bgs lb. 1.20 1.25
Seed, Dutch, bgs. lb. .15¾- .16
Polish, bgs lb. .15 - .15¼
Turkish, bgs. lb. .12½- .13
Potash, caustic, regular, flake, 88-92%, dms., c.l., works. 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 10.20 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92% dms., c.l., works 100 lbs. 8.70 - —
l.c.l., same basis, works 100 lbs. 9.75 - —
Potassium abietate, dms., works lb. .25 - .28
Acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms. lb. .24 - —
Bichromate, bgs., c.l., works lb. .15 - —
l.c.l., same basis lb. .15½- .16¾
Potassium bichromate in crums ¾c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb lots lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs. 10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
USP, gran., bbls., dms lb. .16½- .18
powd., bbls., dms. lb. .21 - .23
Chlorate, cryst., dms., c.l., works. lb. .10¼- —
l.c.l., works lb. .11½- .12
powd., dms., c.l., works lb. .10¾- —
l.c.l., works lb. .12 - 12½
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms lb. .33 - .33
Chloride, USP, cryst., dms lb. .21 .23
gran., dms lb. .15 - .17
powd., dms lb. .24 - .26
Chromate, tech., bgs lb. .33½- .36
Citrate, USP, gran., dms lb. .37½- .38¼
powder, dms lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
less than 500-lb. lots, works lb. .57 - —
Fluoborate, fib. dms., c.l., works. lb. .30 - —
l.c.l., works lb. .31 - —
Fluoride, dms., works lb. .32 - —
Gluconate, dms lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms lb. .28½- .33
Hypophosphite, NF, ton lots or less, fib. dms lb. 1.00 - 1.03
Iodide, dms lb. 2.40 - 2.42
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., dms lb. .20 - .21
powd., dms. lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton. .43 - —
Trona, Cal. unit-ton. .53 - —
50-51% K_2O, paper bgs., Carlsbad, N. M ton. 25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., rms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton. 184.00 - —
ton lots, bbls., ex whse ton. 261.00 - —
less ton lots, bbls., ex whse. ton. 266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16½- —
Permanganate, tech., dms., works. lb. .22½- .23½
USP dms., works lb. .24½- .30¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 - .22
Phosphate, tetrabasic, bbls., works. lb. .16½- .18½
Prussiate, red, kgs lb. .60 - .63
yellow, dms., ton lots lb. .22½- —
smaller quantities lb. .23 - —
kegs lb. .28 - —
Silicate, glass, bgs., c.l., works. 100 lbs. 17.00 - —
l.c.l. 100 lbs. 17.80 - —
solution, clarified, 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.80 - —
l.c.l., 5 dms. or more, works 100 lbs. 6.55 - —
tanks, works 100 lbs. 5.45 - —
tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 6.50 - —
l.c.l., dms., works 100 lbs. 7.00 - —
tanks, works 100 lbs. 7.00 - —
40.5° Be., 1:2.0, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms., works. 100 lbs. 7.20 - 7.30
tanks, works 100 lbs. 6.10 - 6.15
Silicofluoride, bbls., works lb. .09 - .10
Stannate, dms., frt. alld. E lb. .68 - .736
Sulphate, agricultural, 49-51%, K_2O, bulk, works ton. 37.25 - —
NF VII cryst., dms lb. .31 - .33
gran., dms. lb. .18½- —
powder, dms. lb. .16½- .17
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms., 100-lb. lots or less lb. .87 - .94
tech., works lb. .79 - —
Titanate, ctns., c.l., works lb. .12½- —
5-ton lots, works lb. .12¾- —
1-ton lot or less, works lb. .13 - —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO ton. 16.00 - —
Potassium-sodium tartrate (see Rochelle salt).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High Grade Muriate of Potash!
DUVAL SULPHUR and POTASH CO.
Modern New Plant and Refinery at Carlsbad, New Mexico
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Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Oxalate, bbls., dms lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½ .55
Pregnenolone, bots gm. .85 - —
Acetate, bots gm. .75 - —
Prickly ash bark, bls lb. .55 Nom.
Berries, bgs. lb. .70 - .75
Prince's pine herb, bls lb. .60 - .61
Procaine hydrochloride, USP, dms., frt. alld lb. 3.10 - 3.40
Progesterone, UPS, 100 gms., bots. gm. 1.05 - —
Propane, commercial grade, tanks, group 3 gal. .03½- —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb. .60 - —
Propyl acetate, normal, dms., c.l., dlvd lb. .125 - —
l.c.l., dlvd lb. .135 - —
tanks, dlvd lb. .1075- —
Aldehyde (see Propionaldehyde).
Gallate, dms., 2,000 to 100 lbs. lots, works lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms. lb. 2.30 - 2.40
Propylene dichloride, dms., c.l., dlvd. E. lb. .0645- .095
l.c.l., same basis lb. .0950- .1050
tanks, same basis lb. .07 - .08
Oxide, dms., c.l., dlvd. E lb. .19½- .20½
l.c.l., dlvd E lb. .20½- .21½
tanks, dlvd E lb. .17½- .18½
Propyleneglycol, industrial, dms., c.l., dlvd. E lb. .19¼- .21¼
l.c.l., same basis lb. .20¼- .22¼
tanks, same basis lb. .17½- .18½
USP, dms., c.l., dlvd. E lb. .20¼- .21½
l.c.l., same basis lb. .21¼- .22¼
tanks, same basis lb. .18½- .19½
Methylether, dms., c.l., dlvd. E lb. .20 - —
l.c.l. same basis lb. .21 - —
tanks, same basis lb. .18½- —
Propylthiouracil, bots., 50-kilo lots or more kilo. 55.00 - —
smaller lots kilo. 55 10 -55 30
Psyllium seed, black, bgs lb. .26 - .27
blonde, bgs. lb. .18 - .20
husks, bgs lb. .48 - .52
Pulsatilla herb, bls lb. .52 .53
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3 bgs., ton lots lb. .03⅝- .04¼
smaller lots lb. .03⅞- .04½
Italian, silk-screen, coarse, bags, ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 —
sun dried, coarse, bgs ton lots lb. .02½- .04
fine, bgs., ton lots lb. .02½- .04
Pumice in bbls is ½c per lb higher.
Pumpkin seed, bgs lb. .18 - .20
Pyrethrin, synthetic (see Allethrin).
Pyrethrum flowers, fine-grd. 0.9% pyrethrins, bbls works lb. .50 - —
powder 1.3% pyrethrins, bbls., works lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100cc, odorless base, bbls., works gal. 9.75 -10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc, odorless base, bbls., works gal. 15.75 - —
oleoresin dewaxed 20% for aerosol bombs, dms., works lb. 11.00 -12.00
Pyridin, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
l.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret., dms., l.c.l., same basis lb. 1.15 - —
Pyridoxine hydrochloride, 100-gram bots gram .55 - —
Pyrites, Canadian, works long-ton 3.00 - 5.00
Pyrocatechol (see Catechol).
Pyrogallol, NF lb. 3.25 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs, c.l., mines ton 13.00 -13.50
No. 3, 200 mesh, bulk, c.l., mines ton 11.00 - —
rubber grade 140 mesh, bgs, c.l., mines ton 11.50 -12.00
standard, 200 mesh, bulk, c.l., mines ton 12.50 - —
230 mesh, bulk, c.l., mines ton 13.50 - —
325 mesh, bulk, c.l., mines ton 16.75 - —
Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra.
Pyroxylin scrap, opaque, amber, dms., works lb. .15 - —
black, dms., works lb. .12 - —
mixed, mottled, dms., works, lb. .11 - —
white, china, ivory, dms., works lb. .12 - .15
dense, dms., works lb. .12 - .15
translucent pastels, cs., works lb. .14 - —
transparent, colorless, dms., works lb. .25 - —
colors, dms., works lb. .14 - —
shavings, opaque, amber, cs., works lb. .11 - —
mixed colors, dms., works, lb. .11 - —
USP, bots. lb. 9.50 - —

Q

Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb. .08¼ —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra, lb. .12⅞- —
ordinary, 63% tannin, bgs., c.l. same basis lb. .11 31-64 —
Quebracho extract prices are based on $20 40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .25 .26
Quercitron extract, crystals, No 1, bbls., l.c.l. lb. .40 - —
liquid, No 1, bbls., l.c.l. lb .19 - —
Quicksilver, flasks (76 lbs. net) flask 190.00 - —
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.15 - —
powd., precip., cns., 100-oz. lots oz. 1.17 - —
Sulphate, USP, cns., 100-oz. lots oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulphate, USP, cns., 100-oz. lots oz. .37½- —
Dihydrochloride, USP cns oz. .54 - —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide, NF cns., 50-oz. cns. oz. .47½- —
Hydrochloride, USP, cns., 100-oz. lots oz. .47½- —
Phosphate, NF, cns. 100-oz. lots oz. .61 - —
Salicylate, NF, cns., 100-oz. lots oz. .55 - —
Sulphate, USP, cns., 100-oz. lots oz. .49 - —
Quinine and Urea hydrochloride, NF, cans oz. .56 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, basis, 100%, dms., frt. alld lb. .83 - —
powd., basis, 100%, frt. alld lb. .88 - —
Raspberries, dried, bbls lb. 1.30 - 1.35
Red, BON acid maroons, pure, bbls. lb. 1.75 - —
resinated, bbls lb. 1.50 - —
arylid, deep shades, bbls lb. 3.60 - —
light shades, bbls lb. 2.75 - —
maroon, bbls lb. 3.60 - 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, same basis lb. 4.00 - —
medium shade, bbls., same basis lb. 4.25 - —
medium-light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls., same basis lb. NP - —
Cadmium lithopone, deep shade, bbls., same basis lb. 1.93 - —
light shade, bbls., same basis, lb. 1.70 - —
maroon shade, bbls., same basis lb. 2.05 - —
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls, same basis lb. 1.77 - —
orange-red shade, bbls., same basis lb. 1.64 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Dyes (see Dyes coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Red, Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .12¾- —
Iron oxide, pure, 98% ferric oxide, bgs., c.l., works lb. .12¾- —
l.c.l., works lb. .13 - —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .06 - —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol, toner, bbls., works lb. .79 - —
rubine toner, pure, bbls., works lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia-type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., works. lb. 3.60 - —
10,000-lb. lots, works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l. works lb. .02⅝- —
Oxide (see Red iron oxide).
Persian gulf bgs. c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb. .95 - —
Chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA., kegs lb. 5.35 - —
tungstated, PTMA, works, kegs, lb. 6.35 - —
Spanish, oxide, bbls, c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner, deep shades, kgs., works lb. 1.50 - —
light shades, kgs., works lb. 1.50 - —
Red, Turkey, bbls., works lb. .60 - —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .037
20%, bgs., works lb. .0475- —
25%, bgs., works lb. .0525- —
30%, bgs., works lb. .0550- —
35%, bgs., works lb. .0575- —
40%, bgs., works lb. .0625- —
Vermilion, Amer, bbls lb .32 —
Quicksilver, ctns. lb. 3.59 - —
Watchung-type, bbls lb 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd fib dms lb. 4.37 - 4.41
Red saunders, NF powd, bbls lb .35 —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech grade, dms., c.l., works lb. .77½- —
l.c.l., works lb. .78½- —
USP, cryst., dms., works lb 2.75 —
powd., dms., works lb 2.95 —
Monoacetate, NF, dms. lb 3.25 3.45
Rhatany root, bgs lb. .15 .16
Rhodinol, 5-lb. cans lb. 30.00 -56.00
Rhubarb root, China, whole, cs lb. .65 - .85
powd., bbls. lb. .75 - .90
India, whole, bgs lb. .30 - .35
powdered, bbls. lb. .38 - .40
Riboflavin, USP bots., dlvd kilo. 100.00 —
readily soluble, bots, dlvd kilo. 100.00 —
Rice bran, concentrate, dms, Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran, powd., dms., c.l. lb. .32½- —
5,000-lb. lots, dms., c.l. lb. .32½ —
smaller lots lb. .33½- .38½
Rose flowers, pale, bls lb. .55 - .65

"WHERE DO YOU BUY YOUR ALKALIES, BILL?"

"I Call SOLVAY *FIRST* for Alkalies because..."

SOLVAY

Soda Ash
Caustic Potash
Chlorine
Potassium Carbonate
Calcium Chloride
Sodium Bicarbonate
Sodium Nitrite
Caustic Soda
Cleaning Compounds
Ammonium Bicarbonate
Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Ammonium Chloride
Snowflake® Crystals

...I know I can count on Solvay to give me the services I need to operate my business smoothly. Whether I'm placing a big order, or whether I want some technical help, I always get cooperation from the folks at Solvay.

A perfect example of this is Technical Service. Through the years, Solvay has accumulated a vast store of technical information that has been put into informative booklets called Solvay Technical Service Bulletins. These bulletins are available to me whenever I need 'em. And they cost me nothing—they're free. I can also get further technical help from the Solvay Technical Service staff—fellows who are experts in individual industries.

Doing business with Solvay is convenient for me, too . . . there are thirteen sales offices in key cities where you can get courteous friendly service. And you can get prompt delivery from Solvay's three centrally-located plants and more than 200 local stock points.

Why don't you call *Solvay first* for alkalies?"

SOLVAY PROCESS DIVISION
Allied Chemical & Dye Corporation
61 Broadway, New York 6, N. Y.

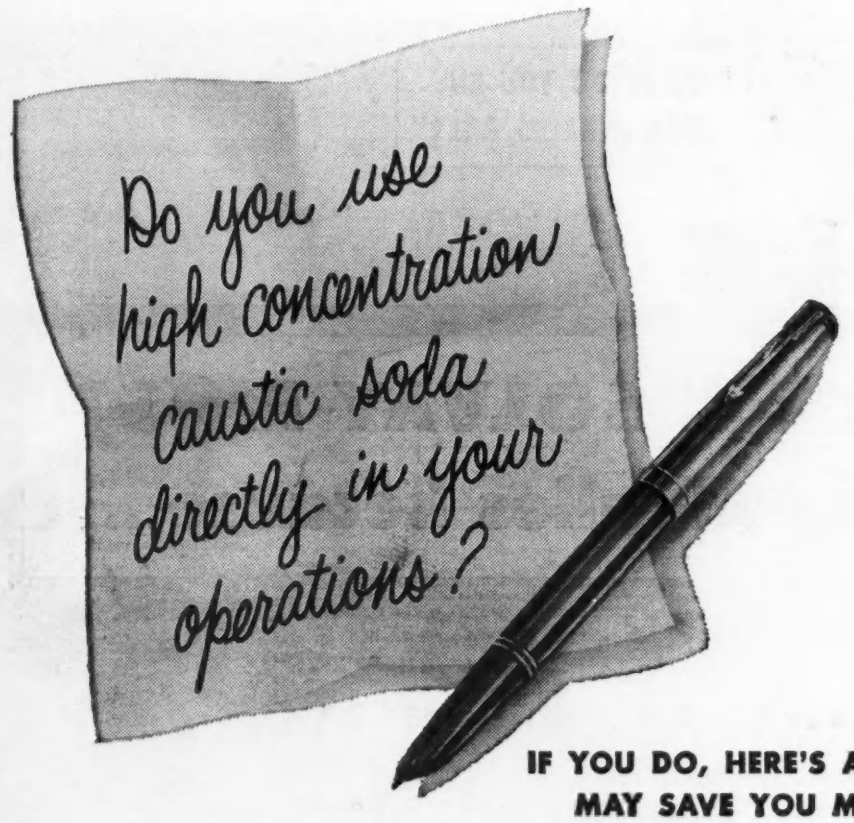
BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
Houston • New Orleans • New York • Philadelphia • Pittsburgh
St. Louis • Syracuse

Rosemary Flowers—Sodium Glutamate

Rosemary flowers, bgs. lb. .95 - .96
Leaves, French, bls lb. .11 - .11½
Portuguese, bls. lb. .07 - .07½
Spanish, bls lb. .09 - .09½
Rosin, gum and wood (see Naval Stores. Protective Coatings market).
Rotenone, CP, bbls., works lb.20.00 - —
tech., bbls. works lb.16.50 - —
Rottenstone (see Tripoli)
Rue herb, bls lb. .35 - .40
Rutin, NF, 25-kilo lots, fib. dms kilo.25.00 -30.00
10 to 25-kilo lots, fib. dms kilo.27.50 -30.00
1 to 10-kilo lots, fib. dms kilo.30.00 - —
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .60 - —
activated ground with lime, bbls lb. .35 - .36
Saccharin, USP gran., soluble, dms. 1000-lb lots lb 1.60 —
smaller lots lb 1.70 1.80
powd., soluble insoluble, dms. 1000-lb lots lb 1.65 —
smaller lots lb 1.75 1.95
Safflower, Egyptian, bls. lb. .60 - .65
Saffron, Mexican bls lb 9o 96
Spanish, USP, tins lb.22.00 -23.50
Safrol, dms lb. .72 - 1.20
Sage, Cretan, bls lb. .10 - .11
Cyprus, bls lb 09 .09½
Dalmatian, bls. lb. .49 - .50
Greek, bls lb. .10 - .11
Italian, Officinalis, bls lb. .22 - .25½
Spanish, stemless, bls lb. .11½- .13
Syrian, bls lb. .10 - .10½
Turkish, bls lb. .10 - .11
Sago flour, raw, bgs lb. .07¾- .08
refined, bgs lb. .09 - .09¼
Sal soda (see Soda ash)
Salol NF gran. bbls., kgs. lb. 1.10 - —
Powdered salol, 25c higher.
Salt, rock, paper bgs., c.l. 100 lbs. .98 - —
Table, vacuum, common, fine, paper bgs., c.l. 100 lbs. 1.12 - —
Saltcake, dom., bulk works, 100% Na_2SO_4 basis ton.19.00 - —
Saltpeter, cryst. bbls. 10-ton lots, 100 lbs.14.40 - —
smaller lots 100 lbs 14.65 -14.90
powd., bbls. 20-ton lots 100 lbs.10.75 —
smaller lots 100 lbs 12.00 -12.50
gran., bbls. 20-ton lots 100 lbs 9.75 —
smaller lots 100 lbs 11.10 11.50
NF, gran., dms lb. .09¾ .17¾
Saltpeter in bags, 50c. per 100 lbs. less in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin, NF, dom., dms., cryst. powd., cns lb.76.50 -80.00
imported, cryst. powd., cns lb.76.50 -80.00
Saponin, No. 1, 100-lb dm lb 2.75 —
Sarsaparilla root, dom. bls lb .45 .50
Honduras bls lb .38 .40
Mexican, bls lb .20 - .25
Sassafras root bark, ord., bls lb. .35 - .42
select, bls lb .60 - .65
Savory, French, bls lb. .21 - .24
Spanish, bls lb. .14 - .16
Saw palmetto berries, bgs lb .32 .38
Scammony resin, lump, cns lb 1.95 2.20
powd., cns lb 2.05 2.30
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder, bgs., frt. alld lb. .80 - —
Scopolamine hydrobromide, USP, bots. oz.13.00 -14.50
Seidlitz mixture, bbls., 5,000 lbs lb. .30½- —
smaller lots lb. .31 - .32
Selenium, powd., dms., dlvd lb. 4.25 - 4.75
Senega root, bls lb. 1.65 - 1.80
Senna leaf, Alex., half-leaf, bls lb. .17 - .18
sifting, bgs. lb. .15 - .18
Tinnevelly, No. 1, bls lb. .18 - .20
No. 2, bls. lb. .16 - .18
No 3, bls. lb. .13 - .15
powdered, bls., bxs lb. .17 - .19
Pods, bls. lb. .24 - .25
Serpentaria root, bls lb. 4.85 - 5.00
Sesame seed, Nicaragua, hulled, bgs. lb. .19 - .22
natural, bgs lb. .13 - .13½
Turkish, bgs lb. .15 Nom.
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .43 - —
bbls., 1,500-lb. lots lb. .44 - —
kgs., 1,500-lb. lots lb. .46 - —
refined, bgs., 1,500-lb. lots lb. .53 - —
bbls., 1,500-lb. lots lb. .54 - —
kgs., 1,500-lb. lots lb. .56 - —
Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb higher for all packages.
Lemon, No. 1 bgs lb. .36 - .37
No. 2, bgs lb. .34 - .35
Superfine, bgs., 10-bg. lots lb. .32 - .34
TN, bgs., 10-bg. lots lb. .30 - .31
Shellac in 1 to 9 bg. lots, 1c. more
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., ill., works ton. 25.00 - —
t.c.l., works ton.30.00 -40.00
Silica, hard-quartz, 99½, 325 mesh, bgs., c.l., works ton.20.00 - —
t.c.l., works ton.25.00 -30.00
140 mesh, bgs., c.l., works ton.15.00 - —
t.c.l., works ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
t.c.l., works lb. .20 - .28½
Silver bullion, ingots, cs lb. .85½- —
Cyanide, fib. dms., 2,500-oz. lots oz. .77⅜- —
1,000-oz. lots oz. .77⅝- —
500-oz. lots oz. .77⅞- —
100-oz. lots oz. .78⅛- —
Nitrate, CP, crystal, bots., 2,500-oz. lots oz. .54¾- —
1,000-oz. lots oz. .56 - —
500-oz. lots oz. .56½- —
250-oz. lots oz. .57 - —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Simaruba bark, bls lb. .90 Nom.
Skullcap herb, Eastern, bls lb. .50 .65
Western, bls lb. .30 .35
Skunk cabbage root, bls lb. .40 - .50
Slate flour, bgs., c.l., works ton 9.55 -13.00
t.c.l., ex whse ton.21.00 -27.35
Sloe berries, bgs lb. .24 .28
Smalt, black, etns lb. .15 - —
Blue, etns lb. .18 - —
Snakeroot, Canada bls lb. .75 - .80
Soapbark, bls. lb. .22 - .24
crushed, bls., bbls lb. .27 - .29
powd., bbls. lb. .30 - .35
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.75 - —
t.c.l. stock points 100 lbs. 2.85 4.62
bbls., c.l., works 100 lbs. 2.30 - —
t.c.l. stock points 100 lbs. 3.35 4.12
bulk, c.l., works 100 lbs. 1.45 - —
light, 58% paper bgs., c.l., works 100 lbs. 1.65 - —
t.c.l. stock points 100 lbs. 2.75 4.52
bbls., c.l., works 100 lbs. 2.20 - —
t.c.l. stock points 100 lbs. 3.25 5.02
bulk, c.l., works 100 lbs. 1.35 - —
Caustic, flake, powd., 76%, c.l., works, frt. equald 100 lbs 4.10 - —
t.c.l., stock points 100 lbs. 5.30 - —
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.55 - —
50% rayon type tanks, works, dry basis 100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76% dms. c.l., works 100 lbs. 3.70 - —
t.c.l., stock points 100 lbs. 4.90 - —
Sal, bgs., c.l., works 100 lbs. 1.40 - —
t.c.l., works 100 lbs. 1.70 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
t.c.l., dms lb. .12¾- —
NF, gran., dms., works lb. .10 - .16½
Alginate, refined, bbls., works lb. .83 - —
NF, white, powd., dms., ton lots, works lb. .87 - 1.30
Antimoniate, bbls., c.l., dlvd, E lb. .27½- —
t.c.l., dlvd. lb. .29 - —
Arsenate, dms., c.l., works lb. .12½- —
t.c.l., dms., works lb. .13¾- .14¼
Arsenite, dms. c.l., works lb. .13½- —
t.c.l., dms., works lb. .14¼- .15¼
solution, dms., works gal. .70 - 1.10
Ascorbate, dms., 25-50 kilo lots kilo.21.00 - —
10-kilo lots kilo.21.35 - —
5-kilo lots kilo.21.75 - —
1-kilo lots kilo.22.00 - —
500-gram lots, bots kilo.22.50 - —
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms. 100 lbs. or or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works, 100 lbs. 2.70 - —
t.c.l., works, 100 lbs. 3.70 - —
powd., bgs., c.l., works 100 lbs. 2.30 - —
t.c.l., works 100 lbs. 3.30 - —
Bichromate, bgs., c.l., works lb. .11½- —
t.c.l., same basis lb. .12 - .13¼
Bifluoride, bbls. c.l., works, frt. equald lb. .1375- —
t.c.l., same basis lb. .1415- —
Bisulphate, bulk, c.l., works, 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - 3.85
t.c.l., works 100 lbs. 3.05 3.65
Bisulphite, anhyd., bgs., c.l., works, 100 lbs. 4.50 - —
t.c.l., works lb. 4.90 - —
solut. 35° bbls., c.l., works, 100 lbs. 1.40 - —
t.c.l., works 100 lbs. 1.80 - —
Borate (see Borax).
Bromide USP bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, dms., jrs. lb. 8.52 - —
Carbonate, anhydrous (see Soda ash), crystalline, decahydrated (see Soda sal), monohydrated, bgs., c.l., works, 100 lbs. 2.90 - —
t.c.l., works 100lbs. 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works, lb. .08¾- —
t.c.l., works lb. .10¼- .11
Chloride, tech. (see Salt), USP, dms. lb. .05 - .12
Chlorite, tech. dms., works lb. .58 - .73
Chloroacetate, tech., dms., c.l., works lb. .24 - —
t.c.l., works lb. .25 - .26
Chromate, dms., c.l., works lb. .13¼- —
t.c.l., same basis lb. .13¾- .15
Citrate, anhyd., dms lb. .60 - .65
USP VIII, gran. dms. lb. .26 - .30½
USP XIV, gran., dms. lb. .29½- .34
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works lb. .85 1.10
smaller lots, works lb. 1.00 1.25
Cyanide, flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .178 - —
over 1,000 lbs lb. .188 - —
100-lb. to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide 1c. higher.
Diacetate 33-35% acidity, 250-lb. dms., works lb. .14 - —
t.c.l. lb. .14¼- —
anhydrous, dms., c.l., works lb. .17 - —
t.c.l. lb. .17¾- —
Fluoride, white, 97%, bbls., c.l., works lb. .1250- —
t.c.l., works lb. .1290- —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
Formate, bgs., c.l., dlvd, E 100 lbs. 7.60 - —
t.c.l., works 100 lbs. 8.65 - —
Gentisate, 100-lb fib dms lb 8.50 —
Gluconate, technical, bgs. lb. .35 - —
refined, dms. lb. .80 - .83
Glutamate, monobasic, dms., c.l lb. 1.70 - —



IF YOU DO, HERE'S A THOUGHT THAT MAY SAVE YOU MANY DOLLARS!

Some users of caustic soda who require the high concentration are accustomed to buying 50% NaOH liquor and then adding dry caustic to bring it up to needed strength.

Several of our customers have recently changed to buying the 73% concentration. They store and use it at full 73% strength. All have reported substantial savings on reduced volume cost and reduced man-hours.

If you are not specifying 73%, we believe it will pay you handsome dividends to investigate it.

Our technical staff will be happy to estimate the savings possible on any volume you may select. Just jot down in the block below a tonnage figure. Our engineers will figure out for you the cost of 73% liquor, vs. the cost of 50% liquor with the addition of dry caustic to bring it up to similar concentration.

DO IT NOW

Columbia-Southern Chemical Corporation
420 Ft. Duquesne Blvd., Pittsburgh 22, Pa.

Gentlemen: For comparative purposes only, please estimate for me the cost equivalents of_____tons of 73% caustic soda.

Name_____

Firm_____

Street_____

City_____ State_____

COLUMBIA-SOUTHERN CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY
420 FORT DUQUESNE BOULEVARD, PITTSBURGH 22, PA.

Sodium glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.95
powder, bbls. lb. 1.85 - 2.00
solution, 75%, cbys. lb. 1.06 - 1.21
Hydride, dms., works lb. 2.00 - 3.00
smaller lots, dlvd. lb. 1.66 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, c.l., frt. alld. lb. .24½- —
l.c.l., frt. alld. lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb. dms., 1 to 100 dms lb. .18½- .23
Hypophosphite, NF, dms, ton lots or less lb. .95 - .98
Hyposulphite, photo grade, bgs., c.l., works 100 lbs. 4.50 - 4.75
l.c.l., same basis 100 lbs. 5.00 - 5.05
pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
tech, bgs., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium, hyposulphite crystals in bbls. 60c. higher.
NF (see Sodium thiosulphate).
Iodide, USP, bots., dms. lb. 2.80 - 2.92
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms. cbys. works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurysulphate, dms., c.l., dlvd. lb. .24 - —
l.c.l. dlvd. lb. .25 - —
tanks, dlvd. lb. .23 - —
Metabisulphite (see sodium bisulphite).
Metaborate, octahydrate, gran., bgs., c.l., works ton. 78.50 - —
t.c.l., ex whse ton. 124.50 - 129.50
Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.
tetrahydrate, c.l., bbls., works, ton. 199.50 - —
Metallic, tanks, works lb. .18 - —
bricks, bbls., works lb. .17 - .19
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 5.25 - 5.50
dms., c.l. 100 lbs. 5.30 - —
l.c.l. 100 lbs. 5.55 - 5.75
Pentahydrate, bgs., c.l., works, 100 lbs. 4.00 - —
l.c.l., bgs., works 100 lbs. 4.35 - 4.55
dms., c.l., works 100 lbs. 4.80 - —
l.c.l., works 100 lbs. 5.15 - 5.65
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy., dms., works lb. .90 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —
Nitrate, dom., crude, bgs., c.l., works ton. 51.00 - —
bulk, c.l., works ton. 47.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse ton. 57.00 - —
bulk, c.l. same basis ton. 53.50 - —
Nitrite, USP bbls., c.l., works, frt. equald lb. .0775- —
l.c.l., same basis lb. .0925- —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.85 - —
l.c.l., works 100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. .1040- —
Para-aminobenzoate, dms., 1,000-lb. lots or more lb. 2.40 - —
smaller lots lb. 2.45 - 2.50
Para-aminosalicylate, dms., 1,000-lb. lots, frt. adjusted lb. 3.75 - —
smaller lots, same basis lb. 3.80 - 4.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald. lb. .25½- —
l.c.l., same basis lb. .26½- .28½
pellets, bgs., c.l. same basis lb. .25 - —
l.c.l., same basis lb. .26 - 28
powdered, bgs., c.l., same basis. lb. .24 - —
l.c.l., same basis lb. .25 - 27
Pentachlorophenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .193 - —
l.c.l., works lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860- —
l.c.l., same basis lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt., equald 100 lbs. 7.45 - —
l.c.l., works 100 lbs. 7.85 - —
USP, dried powd., bgs., dms., works lb. .19 - .20½
duohydrate, bgs., c.l., frt. equald 100 lbs. 7.05 - —
frt., equald 100 lbs. 7.25 - —
monobasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 8.45 - —
l.c.l., frt. equald 100 lbs. 8.90 - —
tribasic, cryst., bgs., c.l., frt. equald 100 lbs. 4.20 - —
l.c.l., frt. equald 100 lbs. 4.60 - —
Sodium phosphates in dms., 60c. higher than bgs.
Prussiate yellow, bgs., 10-ton lots. lb. .13½- —
smaller lots lb. .14 - —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.75 - —
ferric, dms., 1,500-lb. lots, works lb. .31 - —
smaller lots, works lb. .32 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald 100 lbs. 7.90 - —
l.c.l., frt. equald 100 lbs. 8.10 - —
Salicylate, USP, dms. lb. .68 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., dlvd., zone 1 100 lbs. 3.85 - 4.10
zone 2 100 lbs. 4.10 - 4.35
zone 3 100 lbs. 4.40 - 4.65
zone 4 100 lbs. 5.10 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn., Mo (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96° Kan. Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.
Sesquisilicate, hydrated, dms., c.l., works 100 lbs. 5.50 - —
l.c.l. works 100 lbs. 7.00 - —
hydrated, bgs., c.l., works 100 lbs. 4.70 - —
l.c.l., bgs., works 100 lbs. 5.25 - 6.00

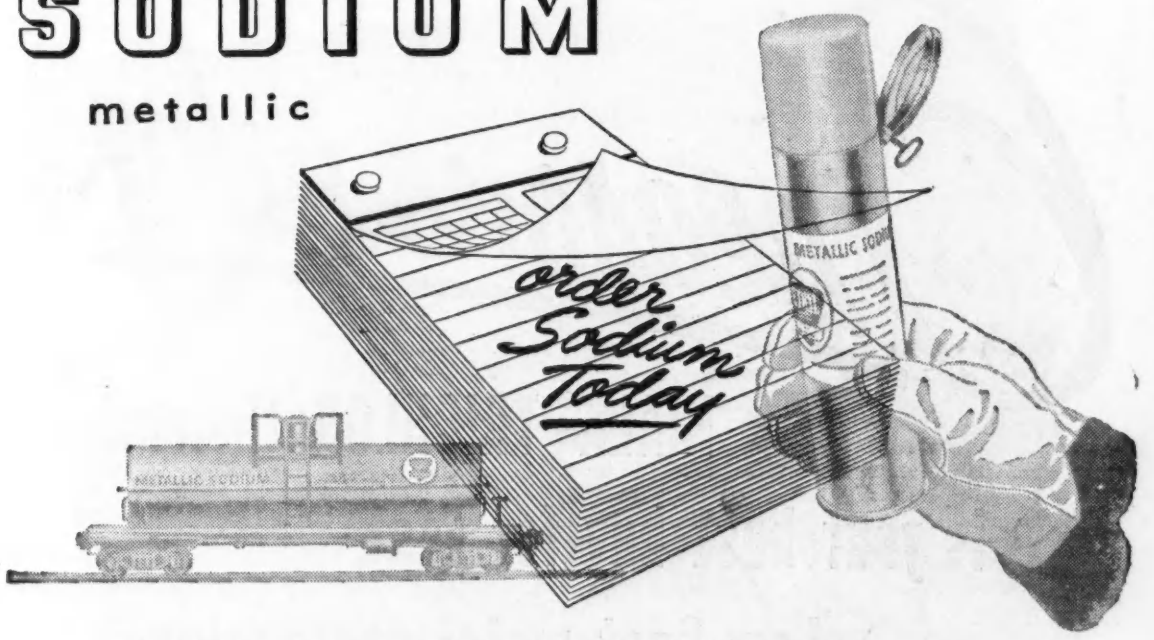
Sodium silicate, liquid, 40° 1:3.2, turbid, dms., c.l., works, 100 lbs. 1.35 - —
l.c.l., works 100 lbs. 1.70 - 2.30
tanks, works 100 lbs. 1.00 - —
47°, turbid, 1:2.9, dms., c.l., works 100 lbs. 1.95 - —
l.c.l., dms., works 100 lbs. 2.55 - 2.80
tanks, works 100 lbs. 1.60 - —
52°, turbid, 1:2.4, dms., c.l., works lb. 2.30 - —
l.c.l., works 100 lbs. 2.75 - 3.00
tanks, works 100 lbs. 1.95 - —
solid, 1:3.2, bgs., works ton. 57.50 - —
Silicofluoride, bgs., c.l., works lb. .070 - —
l.c.l., works lb. .07 - .08
Sodium silicofluoride in dms., 4/10c. higher.
Stannate, dms., works, frt. alld. E. lb. .506 - .559
Stearate, tech., dms., works lb. .40 - —
USP, dms., works lb. .70 - .75
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.25 - —
l.c.l., works, same basis, 100 lbs. 2.50 - 3.00
rayon grade, bgs., c.l., works, ton. 27.00 - —
l.c.l., works ton. 33.00 - —
USP, cryst., fib. dms lb. .27½- .18
gran., fib. dms lb. .17½- .18
Sulphide, flake, dms., c.l., works, E., frt. equald. lb. .05¼- —
l.c.l., same basis lb. .05¾- —
fused, bbls., c.l., works, E., frt. equald lb. .04¾- —
l.c.l., same basis lb. .05¼- —

Sodium sulphite anhyd., bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., same basis 100 lbs. 3.50 - —
powder, bbls., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.50 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l. lb. .06½- —
l.c.l., works lb. .07 - —
liquid, 40-44%, tanks, works, basis 100% ton. 110.00 - —
Tetraborate (see Borax.)
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03½- —
l.c.l., works lb. .04 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms, works lb. .30 - —
Thiosulphate, NF cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate ctns., c.l. works lb. 10½- —
5-ton lots, works lb. .10¾- —
1 ton or less, works lb. .11 - —
Trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld., E lb. .37½- —
l.c.l., frt adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E. lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E. lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolypnospnate, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 8.45 - —

Sodium trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 7.75 - —
l.c.l., works 100 lbs. 8.50 - 8.90
dms., c.l., works 100 lbs. 8.15 - —
l.c.l., works 100 lbs. 8.90 - 9.30
Tristearate, fib. dms., 20,000 lbs., works lb. .33 - —
10,000 to 20,000 lbs. works lb. .35 - —
smaller lots, works lb. .38 - .40
Tungstate, tech., kgs., dlvd. E lb. 2.90 - —
Sodium-ammonium phosphate, bbls., works, frt equald to 23 - —
Sodium-carboxymethylcellulose See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulphoxylate, c.l., dms., dlvd. lb. .23½- —
l.c.l., same basis lb. .24 - —
Sodium sulpha. drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, refined, tanks, works gal. .31 - .32
high-flash, tanks, works gal. .31 - .32
petroleum, 100°F., flash tanks, Baytown, Tex gal. .31 - —
Bayonne gal. .35 - —
150°F., flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works lb. .37 - .39
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb .38 .39

Sodium Glycerophosphate—Sorbitol, Powd.

SODIUM
metallic



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Sorbitol Solution—Thalium Sulphate

Sorbitol solution, commercial, aqueous, dms., c.l., works lb. .24½- —
ton lots, works lb. .25 - —
less ton lots, works lb. .25¼- —
tanks, works lb. .23¼- —
regular, 70%, aqueous, dms., dms., c.l., works lb. .16 - —
ton lots, works lb. .16¾- —
less ton lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur ton. 67.00 - —
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .23½- —
20,000 to 40,000 lbs., same basis lb. .23¾- —
100 to 20,000 lbs., same basis lb. .24¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0605- —
20,000 lbs., same basis lb. .0620- —
smaller lots same basis lb. .0635- —
Sparteine sulphate, cns oz. .85 1.25
Spearmint leaves, bls lb. .60 - .65
Spikenard root, bls lb. .45 - .46
Spruce extract liq. reg., tanks, works lb. .01¾- —
powd. super bgs., c.l., works lb. .05½- —
l.c.l., works lb. .05¾- —
Squaw vine leaves, bls lb. .45 - .46
Squill, red, fortified, powd., bbls., boxes lb. 1.60 - —
white, bls lb. .12 - .15
powd., bbls., bxs lb. .18 - .21
St. John's bread, edible, bls lb. .13 - .15
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y. 100 lbs. 7.14 - —
l.c.l. 100 lbs. 7.29 - —
powd., paper bgs., c.l 100 lbs. 7.26 - —
l.c.l. 100 lbs. 7.32 - —
Prices for corn starch in cotton bags 25c per 100 lbs higher.
Potato, dom., Idaho, bgs., c.l., works lb. .08½ Nom.
Maine, bgs., c.l., works lb. .07 - —
l.c.l., spot lb. .0875- .0950
Rice, l.c.l., bgs lb. .16 - .17
Wheat, bgs lb. .0755- .0780
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls lb. .30 - .31
Stomach substance, not USP, fib. dms lb. 2.95 - 3.10
Stoneroot, bls lb. .07½ - .08
Storax, USP, cs lb. .85 - 2.05
Stramonium leaves, bgs lb. .17 - .19
Streptomycin, either hydrochloride or sulphate, bulk, gram .17 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, pure, 5-ton lots or more, dms., works lb. .33 - —
1-ton lots, dms., works lb. .37 - —
tech., dms., works lb. .19 - —
Chromate, bbls, works lb .46 - —
Iodide, jars, 25-lb. lots lb. 3.42 - —
Nitrate, bbls., cs., works lb. .11 - .12
Oxalate, bbls, works lb No prices.
Salicylate, NF, dms lb. 1.65 - —
Sulphate, air floated 90%, 325 mesh, bgs, works ton. 56.70 - 66.15
Strontium-calcium sulphide phosphorescent, dms., works lb. 2.80 - 2.85
Strophanthin, NF, bots oz. 25.00 - 25.50
Strophanthus seed, Kombe, biologically tested, bgs lb. 3.25 - —
Strychnine, NF, powd., cans., 100 oz. oz. 1.10 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs. oz. .85 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works lb. .23¼- —
tanks, works lb. .21 - —
Styrolyl acetate, bots lb. 1.45 - 1.70
Sucrose octa-acetate, denaturing grd., 100-200-lb bgs., l.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms lb. 4.00 - 4.50
Sodium, dms lb. 4.10 - 4.60
Sulphacetamide fiber dms lb. 4.00 - 4.20
Sodium fib. dms lb. 5.00 - 5.20
Sulphadiazin, USP, microcrystals, dms lb. 10.60 -11.10
powder, dms lb. 10.25 -10.75
Sulphadiazin-sodium, USP, dms lb. 11.25 -11.75
micro crystals dms lb. 10.60 -11.10
Sulphaguanidin, USP, dms lb. 3.50 - 4.00
Sulphamerazin USP micro crystals, lb. 10.63 -11.15
Sulphamerazin-sodium USP, dms., lb. 11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powder, dms lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 6.50 - 6.75
Sulphapyridin, NF powd. bots., tins. lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms lb. 7.50 - 8.00
Sulphathiazole, USP, micro crystals, dms lb. 3.15 - 3.30
powder, dms lb. 2.80 - 2.95
Sulphathiazole-sodium, USP, dms., lb. 3.05 - 3.20
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.30 - —
bbls., mines 100 lbs. 3.05 - —
lump, bgs., mines 100 lbs. 2.20 - —
bbls, mines 100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract, long ton. 25.50 -27.50
export, f.o.b. vessels, Gulf ports long ton. 28.00 -30.50
domestic and Canada, f.o.b. vessel Gulf port long ton. 27.50 -30.50
refined, flowers, USP, bgs., mines 100 lbs. 4.00 - —
bbls 100 lbs. 5.25 - —
flour, light, bgs., mines 100 lbs. 3.60 - —
bbls., mines 100 lbs. 4.50 - —
lump, bgs., mines 100 lbs. 3.30 - —
rolls, bgs., mines 100 lbs. 3.85 - —
bbls, mines 100 lbs. 4.40 - —
salt block, bgs., mines 100 lbs. 3.35 - —
virgin block bbls., mines 100 lbs. 3.45 - —
rubbermakers, com'l., regular bgs., mines 100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines 100 lbs. 3.65 - —
refined, bgs., mines 100 lbs. 3.25 - —
bbls, mines 100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.70 - —
bbls., mines 100 lbs. 3.85 - —
10% pine tar, bgs., mines. 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equald lb. .03¾- —
l.c.l., same basis lb. .04½- —
tankcars, same basis lb. .03½- —
Dioxide liquid, com'l. cyls., works lb. .09 - —
multi unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration cyls. l.c.l. dlvd. lb. .24 - —
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03¾- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
washed, NF not lb. .11 - —
Sumac leaf, 28%, bgs., ex-dock, short-ton. 120.00 - —
ground, ex-dock short-ton. 120.00 - —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Baltimore unit-ton. .88 - .91
Carteret, N. J. unit-ton. .88 - .91
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla unit-ton. .98 - —
Sweet basil, imported, bgs lb. .90 - —

T

2,4,5-T, dms., c.l., works lb. 1.40 - —
l.c.l., works lb. 1.45 - 1.50
Isopropyl ester dms, c.l., works lb. 1.45 - —
l.c.l., works lb. 1.50 - 1.57
Talc, dom., ordinary, Calif., grd. bgs., c.l., works ton. 32.00 -38.50
Vermont off color grd., bgs., c.l. works ton. 14.00 - —
l.c.l. works ton. 17.50 - —
fibrous, New York, grd., bgs., c.l., works ton. 25.00 -30.00
l.c.l. ton. 28.00 -35.00
99.5% 325 mesh, bgs. c.l., works ton. 27.00 - —
l.c.l., works ton. 30.00 -32.00
99.95%, micronized, bgs., works ton. 36.00 - —
imp. Canadian, grd., bgs., c.l., mines ton. 15.25 -35.00
Tallow, edible, tanks, dlvd lb. .07¼- —
inedible, extra, tanks, dlvd. lb. .04¼- —
fancy, bleachable, tanks, dlvd., lb. .04½- —
No. 1 tanks, dlvd lb. .03⅝- —
special, tanks, dlvd. lb. .04⅛- —
sulphonated, 25%, dms., l.c.l. lb. .05½- .05¾
50%, dms., l.c.l. lb. .06¼- .06⅛
Tamarind, W.I., bbls lb. .11 - .13
Tankage, animal, feeding, 9-11% ammo, bulk unit-ton. 4.75 - —
Chicago unit-ton. 5.25 - —
Tapioca flour, Brazilian, ex whse, bgs lb. .14½- .17
Java, AAA, bgs., ex whse., bgs. lb. .09 - .09¼
AA, bgs., ex whse lb. .08½- .09
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 - .49
l.c.l., same basis gal. .50 - .51
tanks, same basis gal. .39 - —
25-28%, dms., c.l., same basis. gal. .54 - .56
l.c.l., same basis gal. .57 - .58
tanks, same basis gal. .46 - —
50-53%, dms., c.l., same basis. gal. .70 - .72½
l.c.l., same basis gal. .73½- .74½
tanks, same basis gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .65 - .70
Tartar emetic, tech, gran. or powd., bbls., kgs lb. .56 - .59
dms. lb. .57 - .60
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24¼- —
l.c.l. lb. .25 - .25⅛
NF, cryst., fib. dms lb. .60 - .62
powd., b. dms lb. .65 - .69
Terpineol, alpha (see A), commercial, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
extra, dms lb. .41 - .60
prime, dms lb. .30 - .45
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l. works lb. .25½- —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .55 - .75
prime, dms lb. .55 - .70
Propionate, dms lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. .98 - —
Propionate, USP, 100 gms., bots. gm. .98 - —
Tetrachloroethane, dms., works lb. .14½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½- .21½
smaller, dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works lb. .71 - —
l.c.l. lb. .72 - —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 - —
Tetraethylenepentamine, dms., c.l., dlvd., E lb. .57½- —
l.c.l., dlvd. E lb. .58½- —
tanks, dlvd. E lb. .56 - —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd lb. 12.50 -15.00
Salicylate, fib. dms lb 4.25 - —
Sodio-salicylate, fib. dms lb. 2.90 - —
Sulphate, 99%, bots., dlvd lb. 10.50 -13.00

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1. **QUICK ACTING** . . . Cleans and dries in record time. And after rapid degreasing of surfaces, metal is warm, dry and ready for further processing.
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Theobromine, NF, fib. dms.....lb. 3.00 - —
And sodium acetate, USP, fib. dms lb. 3.60 - —
Salicylate, fib. dms..... lb. 4.00 - —
Sodio-salicylate, NF, fib. dms lb. 2.90 - —
Theophylline, annydrous or USP. 100-lb. dms lb. 4.00 - 4.40
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo.135.00 - —
Mononitrate, USP, fib. dms. kilo.135.00 - —
Thiocarbanilide, dms.....lb. .50 - .52
Thiodiphenylamine (see Phenothiazine)
Thiophene, dms., c.l., works lb 1.99¾-
l.c.l., same basis lb 2.00 — —
Thiourea, tech., dms., c.l., works lb. .46½- —
l.c.l., works lb. .48½- —
Thorium nitrate, purified, fib dms., 100-lb. lots or more, works lb. 3.50 - —
Threonine dextro laevo, bots., 1-kilo lots kilo.600 00 - —
Thyme, French, bgs..... lb. .21 - .25
Spanish, bls. lb. .09 - .09½
Thymol, fib. dms lb 3.10 - —
Iodide, NF, dms lb. 7.30 - —
Timbo root (see Cube root).
Tin chloride stannous anhyd., dms., works lb. .86 - 1.068
Crystals, hydrous, dms., bbls., works lb. .75½- .85½
Metal lb. .88½- —
Oxide, dms lb. .94 - .96
Sulphate, stannous, bbls lb. .918 - .938
Tetrachloride anhyd. dms., works lb. .748 - .758
Titanium dioxide anatase, chalk resistant, bgs. c.l. dlvd lb. .21 - .21½
l.c.l. dlvd lb .22 - .22½
regular, bgs., c.l. dlvd lb. .21 - .21½
l.c.l. dlvd lb .22 - .22½
ceramic, bgs., c.l., dlvd.. lb. .21 - .21½
l.c.l. dlvd lb .22 - .22½
metallurgical, natural granular, bgs., c.l., f.o.b. Jacksonville, Fla ton.110.00 - —
c.l. Niagara Falls N Y ton 127 50 - —
5 tons, same basis ton 132 50 - —
ton lots same basis ton 137.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd E lb. .23 - .23½
l.c.l. dlvd E lb. .24 - .24½
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .08 - .08½
Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l. dlvd L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works lb. .45½- —
l.c.l., works lb. .48½- .56½
tankcars, works lb. .44½- —
Tolidin base, distilled, kgs lb 1.30 — —
Tolu balsam, cns., dms.....lb. 2.50 - 3.85
Toluene (see Toluol)
Toluol, coaltar, industrial or nitration, tanks, works:—
Bethlehem Pa gal. .32 - —
Birmingham dist gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32¾- —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown Pa gal. .30 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minnequa, Colo gal. .32 - —
Philadelphia Pa gal. .33½- —
Pittsburgh dist gal. .30 - —
Sparrow's Point, Md gal. .29 - —
Terre Haute, Ind gal. .33½- —
Wyandotte Mich gal. .34¼- —
Youngstown Ohio gal. .30½- —
Petroleum, industrial, 2° tanks, works, Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .35 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill gal. .35 - —
Detroit, Mich gal. .35 - —
Philadelphia, Pa. gal. .35 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —
Tonga, 50% bark and vine, bls lb. .60 - .65
Tonka beans, Angostura cks lb 1.75 1.80
Brazilian, Surinam, cs lb. 1.10 - 1.25
Totaquine, 100-oz. tins, cns oz. .42 - —
Toxaphene, dms., c.l., works lb. .17 - —
truckloads, works lb. .17 - —
ton to truckloads, works lb. .20 - —
less than ton, lots, works lb. .23 - —
Triacetin, dms., c.l., dlvd E. of Rockies lb. .47¼- —
c.l., same basis lb. .48¼- .49¾
tanks, same basis lb. .45½- —
Tributyl citrate, tech., dms., c.l lb. .40½- —
l.c.l. lb. .41½- —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .51¾- .63½
l.c.l. same basis lb. .52¾- .64½
tanks lb. .50 - —
Tributylamine, dms., c.l., works, lb. .73½- —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene dms., c.l., works, frt. alld lb. .14½- —
l.c.l., frt. alld lb. .15½- —
tanks, frt. alld lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald. lb. .11¼- —
dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .13½- —
tanks, works, frt. equald lb. .10¼- —
dlvd. E. lb. .11 - —
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Tricholine citrate, 65% solut., ret. cbys., works, frt adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd lb. .34¾- —
l.c.l., dlvd. lb. .35¾- —
tanks dlvd lb. .33 - —
petroleum dms., c.l., dlvd lb. .34¾- —
l.c.l., dlvd. lb. .35¾- —
tanks dlvd lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .26¼- —
l.c.l. same basis lb. .27¼- —
tanks, same basis lb. .24½- —
Triethylamine, dms., c.l., works, dlvd. E lb. .45½- —
l.c.l., same basis lb. .46½- —
tanks, same basis lb. .43¾- —
Phosphate dms., works, c.l lb. .38 - —
l.c.l. same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., dlvd E. lb. .23¼- —
l.c.l., same basis lb. .24¼- —
tanks, same basis lb. .21½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48¼- —
l.c.l. dlvd E lb. .49½- —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works. lb. .36½- —
l.c.l., same basic lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .40 - —
Triphenylguanidine bbls., works lb. .90 - —
Tripoli, air floated, bgs. c.l. works. lb. .02 - —
double grd., bgs., c.l., works lb. .0185- —
single-grd., bgs., c.l., works lb. .0175- —
Tripropyleneglycol, dms. c.l., frt. alld lb. .26¼ - —
l.c.l. frt. alld lb. .27¼ - —
tanks, frt. alld lb. .24½ - —
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic).
Trisodium phosphate (see Sodium phosphate tribasic)
Trypsin, pharmaceutical, 1:80, dms., works lb .00 5.50
Tryptophane dextro-laevo fib ctns works kilo.165 00 - —
Tuba root (see Cube root)
Tungsten metal powd. 99.9% dms works lb. 7.75 - —
Turmeric root, Alleppey, bgs... lb. .30 - .31
Haitian, bgs lb. .09 - .09½
Madras, bgs. lb. .16 - .16½
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots..... gram. .75 - .85

U

Urethane, USP dms ..... lb. 1.50 - —
Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs .... lb 2.55 - —
yellow, kgs lb 1.65 - —
Urea, dom. 46% N bgs., c.l., wks. lb. .06 - —
l.c.l., works lb. .06½- —
44% N, bgs. c.l., 30 tons, frt alld Kan Neb., N. Dak. Okla S Dak., Tex. and east ton.154.00 - —
l.c.l., dlvd. ton.162.00 - —
Urea-ammonia liquor, A and B grades N basis, tankcars Belle, W. Va. ton.128.00 - —
C grade, tankcars, same basis, ton.126.50 - —
37 grade, tankcars, same basis ton.155.50 - —
Uva ursi leaves, bls lb. .12 .14

V

Valerian root, Belgian, NF, bls lb. .36 - .40
Valine dextro-laevo, dms. works lb 21 00 -27.50
Valonia beards, 40-42% tannin, bgs. ex dock ton.81.00 - —
cups 28-30% tannin bgs. ex dock ton.61.00 - —
extract, powd. bgs. ex dock, duty extra lb. .09¾- —
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vanilla, beans, Bourbon, tins.. lb. 4.50 - 5.00
Mexican, cuts, tins..... lb. 4.25 - 4.50
whole, tins lb 4.50 5.00
Tahiti, cs lb. 3.25 Nom.
Vanillin, ex eugenol, tins, 25 lbs lb 6.50 —
smaller lots lb 6.90 7.25
ex guaiacol tins, 25 lbs lb 3.00 —
smaller lots lb 3.05 3.15
ex lignin, tins, 25 lb. lots lb 3.00 —
smaller lots tins lb 3.05 3.15
Vinyl acetate, 55-gal. dms., c.l., dlvd lb. .17½- —
l.c.l., dlvd lb. .18½- —
tanks, dlvd. lb. .15½- —
Butylether normal, tech. dms., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether Vinyl)
Ethylether, tech., dms., c.l., works. lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .23 - —
tanks, works lb. .20 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period full refund is made.

Pyridin ret dms. works lb. 1.65 —
Trichloride (see Trichloroethane).

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METEOROLOGICAL BALLOONS • CONSTRUCTION PRODUCTS • TEXTILE PRINTING PRODUCTS • SHOE PRODUCTS

Viosterol—Yellow, Hansa, G. Pigment

Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 to 1,000,000 D units per gm bots., lots of 100 billion USP units, lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A synthetic, acetate, crystalline, beads, 500,000 A units per gm gm. .07¼- —
liquid, in oil, 1,000,000 A units per gm. 1,000,000 units. .12 - —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm., 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gm 1,000,000 units. .12 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin)
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12} crystalline gm. or 5 gm vials gram 295.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gm 225.00 - —
C (see Acid, ascorbic).
Vitamin D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D_2 (see Calciferol).
E (see Alpnatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 1.95 - 2.00
tree bark, bls lb. .95 - 1.00
Warfarin 0.5%, dms., 50 lb lots, dlvd lb. 1.95 - —
25-49 lb. lots, f.o.b., N.Y., or Chi lb. 2.05 - —
5-24 lb. lots, cns., f.o.b., N. Y., or Chi lb. 2.15 - —
Wattle bark, fair average, or E Afr., bgs., ex dock ton. 100.00 - —
merchantable, bgs., ex dock ton. 98.00 - —
extract, liquid 35% tannin bbls., lb. .09¾- .10
solid, E. Africa, 60% tannin, bgs., ex dock duty extra lb. .10 - —
S. Africa, 60% tannin, ex-dock, duty extra lb. .1015- —
Wax amorphous (see Wax microcrystalline)
Bayberry, bgs., spot lb. .42 - .45
Bees, crude, African, bgs lb. .47 - .47½
Brazilian, bgs lb. No stocks.
Central American, bgs lb. .56 - .57
Chilean, bgs lb. .57 - .58
Wax, bees, refined, bleached, white, bricks lb. .69 - .71
slabs lb. .66 - .67
yellow, bricks lb. .55 - .56
slabs lb. .54 - .55
Candelilla, crude, bgs. lb. .75 - .77
refined, bgs lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs, ton lots. lb. 1.08 Nom.
North Country, No. 2, bgs., ton lots lb. 1.17 Nom.
No. 3, crude, bgs., ton lots. lb. 1.13 - 1.15
refined, bgs., ton lots lb. 1.17 - 1.19
Yellow, No. 1 Ceara, bgs, ton lots lb. 1.38 - 1.40
Parnahyba, bgs., ton lots lb. No stocks.
No. 2, Ceara, bgs., ton lots. lb. 1.36 - 1.38
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African lb. .72 - —
Japan, bgs. lb. .21 - .23
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000, lbs. group 3, works lb. .13 - .14
less than 20,000 lbs., same basis lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
less than 20,000 lbs., same basis lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
less than 20,000 lbs. same basis lb. .25 - .28
Wax, microcrystalline, 180°-185° m.p., ASTM, amber ctns., 20,000 lbs., same basis lb. .16 - —
less than 20,000 lbs., same basis lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
less than 20,000 lbs lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
less than 20,000 lbs., same basis lb. .28 - —
190°195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20 - —
less than 20,000 lbs., same basis lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
less than 20,000 lbs., same basis lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., refined, bgs. lb. .31 - .32
German, crude, bgs. lb. .12½- .13
Ouricury, ref., bgs. lb. .79 - 81
Paraffin (see P).
Spermaceti, blocks, cs. lb. .28 - .30
cakes, cs. lb. .29 - .31
Sugar cane, crude, imp. lb. .43 - —
refined, dom., works lb. .75 - .80
spot lb. .77½- .82½
White lead (see Lead, white).
White pine bark, rossed, bls lb. .17 - .18
White precipitate, USP powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works. ton 6.00 -10.00
smaller lots, works ton 6.50 -15.00
wet-grd., bgs., c.l., works ton 16.00 -30.00
smaller lots, works ton 21.00 -35.00
Paris white, bgs., c.l. ton 24.00 -31.00
l.c.l. ton 25.00 -40.00
Precipitated, bgs., c.l. ton 18.00 -20.00
l.c.l. ton 25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls lb. .17 - .19
rossed, bls lb. .19 - .22
Ginger (see [illegible] root, Canada).
Indigo root, bls lb. .30 - .31
Yam root, bls lb. .16 - .17
Witch hazel leaves, bls lb. .22 - .24
Woodflour 40 mesh bulk c.l., works, East ton 32.00 - —
c.l., same basis ton 36.80 - —
60 mesh, bulk, c.l., same basis ton 37.00 - —
c.l., same basis ton 42.00 -55.00
80-100 mesh, bulk, c.l., same basis ton 45.00 -50.00
c.l., same basis ton 51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras).
USP (see Lanolin)
Wormseed, American, bgs lb. .25 - .30
Levant, bgs lb. 4.25 - 4.50
Wormwood leaves, bls lb. .35 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ref., dms., l.c.l., works, frt. equald. lb. .25 - —
45°-47°C, dms., c.l., same basis, lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7° C., b.r., except meta, dms., c.l., same basis gal. 1.31 - —
l.c.l., same basis gal. 1.34 - —
tanks, same basis gal. 1.20 - —
meta fraction, over 7° C., dms., c.l. same basis gal. 1.46 - —
l.c.l., same basis gal. 1.49 - —
tanks, same basis gal. 1.35 - —
Xylidins, mixed, dms lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa gal. .33 - —
Birmingham district gal. .30¼- —
Chicago district gal. .33½- —
Cleveland district gal. .33 - —
Geneva, Utah gal. .25 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .31 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minnequa, Colo gal. .34 - —
Philadelphia Pa gal. .33 - —
Pittsburgh district gal. .30 - —
Sparrows Point, Md. gal. .33 - —
Terre Haute, Ind gal. .35 - —
Wyandotte, Mich gal. .34¼- —
Youngstown O gal. .30½- —
Petroleum, indust., tanks, Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .35 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Philadelphia, Pa. gal. .35 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, cns lb. 2.20 - 2.65
Yeast, brewer's, dry, USP, 50 int'l B units per gram, 100-lb. dms lb. .47 - —
90 int'l B units per gram, 100-lb dms lb. .52 - —
200 int'l B units per gram, 100-lb. dms lb. .56 - —
300 int'l B units per gram, 100-lb dms lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —

Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.

Benzidin, AAA, bbls., dlvd. lb 1.91 - —
AAOT, bbls. lb. 2.15 - —
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E of Rockies lb. 1.20 - —

Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .31 - —

Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa, 10 G, bbls., same basis as chrome. lb. 2.15 - —
G pigment, bbls. lb. 1.91 - —

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CALCIUM
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ZINC

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Yellow, iron oxide, natural, French type, bgs., c.l., works..lb. .05¼- —
l.c.l. .....lb. .05½- —
Peruvian type, bgs., l.c.l. lb. .038 - —
pure, bgs., c.l., works.....lb. .10½- —
l.c.l., works .....lb. .10¾- —
Mercury oxide, bbls., 1,000-lb. lots. lb. 4.15 - —
smaller lots .....lb. 4.17 - —
Ochre (see yellow iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .25 - —
basic, dlvd. .....lb. .30 - —
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls .....lb. .32 - .33
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

Z

Zein, bgs., 30,000 lbs. lots, works lb. .38 - —
1,000-lb. to 30,000-lb. lots, works lb. .40 - —
smaller lots, works .....lb. .43 - —
Zinc acetate, tech., bbls., dms., works..lb. .27 - —
NF VIII, dms lb. .53 - —
Borate, bgs., c.l., dlvd. E lb. .192 - —
l.c.l., dlvd E lb. .203 - —
Carbonate, tech., rubbermakers, bgs., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
Chloride, NF, gran., dms .... lb. .42 - —
precipitated, powd., dms lb. .26 - —
solution 50% dms., c.l., works. 100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 6.10 - —
tanks, works.....100 lbs. 4.85 - —..
tech., fused, dms., c.l., works 100 lbs.10.10 - —
l.c.l., works .....100 lbs.10.60 - —
gran., fib., dms., c.l., works 100 lbs.10.60 - —
l.c.l., works 100 lbs.11.00 - —
Chromate (see Yellow zinc).
Cyanide, kgs., over 1,000 lbs., works lb. .523 - —
under 1,000 lbs. works lb. .543 - —
Dust, pigment, bbls., c.l., works.lb. .15¼- —
l.c.l., works .....lb. .16¼- —
Fluoride, bbls., works .....lb. .49 - .50
Hydrosulphite, dms., c.l., frt. alld. lb. .21½- —
l.c.l .....lb .22 .37½
Iodide, NF, jars.....lb. 5.25 - —
Laurate, bbls .....lb. .45 - .46
Metal, slabs, E. St. Louis ....lb. .11 - —
Naphthenate (liquid 8% Zn, frt. alld lb. .24½- —
10% Zn, dms., frt alld....lb. .30 - —
Oleate, fused, bbls lb. .36 - —
Oxide, pigment, American process lead-free, bgs., c.l., dlvd lb. .14,- —
l.c.l., dlvd .....lb. .15 - —
leaded 35%, bgs., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd .....lb. .15¼- —
50%, bgs., c.l., dlvd...lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
Oxide pigment, French process, com'l green seal, bgs., c.l., dlvd..lb. .15¾- —
l.c.l., dlvd .....lb. .16¾- —
red seal, bgs., c.l., dlvd. lb. .15¼- —
c.l., dlvd .....lb. .16¼- —
white seal, bgs., c.l., dlvd lb. .16¼- —
l.c.l., dlvd .....lb. .17¼- —
USP, ctns., c.l., dlvd .....lb. .17¼- —
l.c.l., dlvd .....lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.
Phenolsulphonate, NF, gran., dms. lb. .39 - —
powd., dms .....lb. .42 - .49
Resinate precip., dms., frt. allo. lb. .26¾- —
Silicofluoride, bbls., works .. lb. .12 - .13
Stearate, tech., USP, ctns., c.l. lb. .37 - —
ton, lots .....lb. .38 - —
less ton lots .....lb. .39 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.. 100 lbs. 7.40 - —
l.c.l., same basis..100 lbs. 7.90 - 9.90
flake, 25½%, Zn, bgs., c.l., works .100 lbs. 6.55 - —
l.c.l., works .....100 lbs. 6.90 - —
powdered, 36% Zn, bgs., c.l., frt. alld 100 lbs. 9.25 - 9.95
l.c.l., same basis 100 lbs.10.00 -10.70
Zinc sulphate in bbls., 40c higher.
USP, gran dms .... lb. .26 - —
Sulphide, pure, bgs., c.l. dlvd lb. .2530 - —
fluorescent, fib., dms., less than 1,000 lbs., works lb. .... - 1.90
phosphorescent, fib., dms., less than 1,000 lb. lots, works. lb. 1.85 - 2.50
Undecylenate, dms .....lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs 9.05 - —
l.c.l., works .....100 lbs. 9.45 - —
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works lb. 2.10 - 2.90
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis lb. .1220- .1400
Zinc-formaldehyde sulphoxylate, basic, dms. c.l. lb. .25½- —
l.c.l. .....lb. .26 - .41½
normal, dms., l.c.l., works lb. .52 - —
Zircon, (G) granular, bgs., c.l., works lb. .03½- —
5 tons to c.l., works .. lb. .03¾- —
1 ton to 9,999 lbs., works lb. .03¾- —
500 lbs to 1,999 lbs. works. lb. .04 - —
less than 500 lbs. works lb. .06½- —
milled, bgs., c.l., works .... lb. .04½- —
5 tons to c.l., works lb. .04¾- —
1 ton to 9,999 lbs. works lb. .04¾- —
500 lbs.. to 1,999 lbs., works. lb. .05 - —
less than 500 lbs. works lb. .07½- —
Zircon (G) in barrels, ¼c. higher.
Zirconium acetate 13% sol ZrO_2, c.l., 30,000 lbs., minimum works lb. .23 - —
Carbonate basic, cake bbls., works lb No prices.
Hydride cns., works.....lb. 7.25 -11.50
Nitrate, dms, ex whse .....to. 4.50 - 7.00
Oxide, 92½%-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works .. lb. .44½- —
1 ton to 9,999 lbs., works lb. .45 - —
500 lbs. to 1,999 lbs., works lb. .45½- —
less than 500 lbs.... works lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works lb. .59½- —
1 ton to 9,999 lbs., works lb. .60 - —
500 lbs. to 1,999 lbs., works lb. .60½- —
less than 500 lbs., works lb. .63 - —
Oxychloride, cryst., ctns., 5 tons, works lb. .32¼- —

Soap Pricing Charges

—*Continued from page 5*

excess of the cost of advertising which they furnish whereas purchasers of lesser quantities receive much lesser amounts in relation to the cost of the advertising they furnish.

In granting of allowances the respondents are said to have used two forms of contracts. Under one contract, allowances are granted on the condition that the customer render sales promotions and advertising service by conducting nine feature sales annually on each product, three of which were to be scheduled during each of the four-month advertising periods. Under the second, allowances are granted on the condition that the customer render sales promotional service, consisting of a prominent mass store display, together with a feature sale for one week.

Issues Raised by Complaints

In the argument, the attorney in support of the complaints stated the following issues which were considered as the issues in the proceeding:—

(1) That it is not reasonably possible for customers who purchase smaller quantities to avail themselves of the higher rate paid for newspaper advertising because the contract provides that the advertising placed must be included in the advertiser's regular consumer advertising and, consequently, if a customer does not do newspaper advertising, the rates provided by the annual contract are unavailable to him under any conditions.

(2) That among the customers who receive advertising allowances under the annual contract there is a lack of proportionality because such allowances which are paid upon a per case basis have no relationship to the advertising required to be placed, because there is no cutoff point between the per case allowance and the number of advertisements to be placed with the result that allowances are paid for advertising not placed as distinguished from allowances for advertising which is placed.

Materials Controls Extended

—*Continued from page 3*

Sheaffer to announce that operations of NPA would continue through July at a reduced scale. But as of July 1 only a few of the former NPA workers knew whether their dismissal notices had been rescinded and they had jobs.

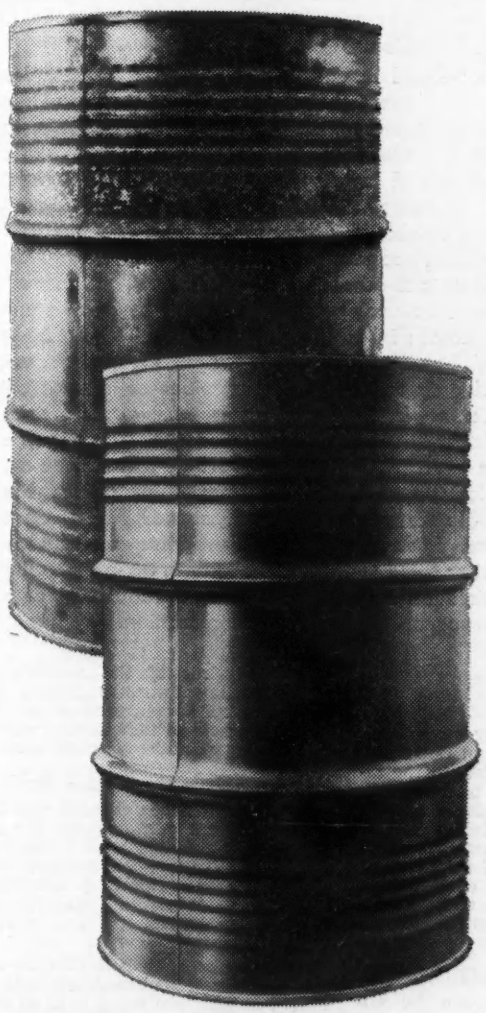
Among the final acts of NPA in preparing for the switch-over from the Controlled Materials Plan to the Defense Materials System was the issuance of a series of orders removing certain controls and modifying others. They included the following:—

Some of NPA Final Acts

Removal of allocation controls over molybdenum, columbium-tantalum, and cobalt by an amendment affecting order M-80 and its schedule. The action left only nickel under complete control. Melters and processors of nickel will continue to apply to NPA or its successor agency for monthly allocations, and nickel will be subject to use and inventory control as it has been since August 15, 1951.

Revocation of four M-orders, providing priority assistance for petroleum and gas industries and electric utilities. Provision was made for these industries to obtain necessary additional amounts of nickel-bearing stainless steel during the third quarter under the Defense Materials System. The orders revoked were M-46, M-46A, M-46B and M-50.

NOW! Better Steel Drums ---Better Protection for Your Products



ORDINARY PAINTED DRUM *(shown at top)* after exposure to weather for one year is badly rusted. Rust was very apparent after only *one week.*

U·S·S RUST-INHIBITED DRUM *(in foreground)* also exposed to weather for a year. There was absolutely no rust on this drum at the end of the test.

U. S. Steel Products introduces a brand-new cleaning process which completely cleans drums of contaminating materials . . . *inhibits rust formation.*

UNITED STATES STEEL PRODUCTS is pleased to announce the development of a new cleaning and finishing process that represents a significant advance in the quality of all steel drums.

The U·S·S process not only cleans drums completely of mill scale and other contaminating materials such as grease, dirt and soot, but also retards rust and corrosion. In addition, the process provides an ideal surface for finishes.

This new process cleans the drums completely . . . doesn't just cover the dirt, scale and rusting areas, leaving unprotected spots when the drum is banged around in handling. You see . . . our rust-inhibited coat is applied just prior to final assembly of the component parts . . . after the parts have been formed, and completely cleaned and descaled; there is no flaking problem.

The complete treatment consists of (1) cleaning the drum parts, completely, (2) removing mill scale and (3) applying a phosphate treatment to the steel surface, which results in a phosphate coating combining with the steel surface . . . inhibiting rust formation on both the inside and outside of the drum and forming an ideal surface for exterior and interior finishes.

• • •

United States Steel Products fabricates Stainless, Galvanized, Tinned, Painted and Decorated drums and pails. Furnished in capacities from 2½ to 110 gallons, with a variety of fittings and openings to fit your particular requirements.

"It's Better to Ship in Steel"

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UNITED STATES STEEL CORPORATION
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Volume 164 **July 6, 1953** **Number 1**

Legislative Regulation of Business

Because the Supreme Court of the United States is limited to the consideration of the legal aspects of matters which come before it, their social—economic, philosophical, ethical, and other—aspects are not at issue. Those aspects, of course, are supposed to have had one consideration in the enactment of the statute involved; it is possible, however, for the court in the majority of instances to find such a presumption not in keeping with the question before it. So, there are no grounds for wonderment in the supreme court's recent finding that a buyer who demands and gets price concessions from a seller is not necessarily a violator of the provision of the Robinson-Patman act which apparently prohibits such favoritism.

As the dissenting opinion of three of the highest court justices said:—". . . a statute can read with enervating effect." In this case, that possibility made naught of the law's provision that where proof is made that there has been "discrimination in price or services or facilities furnished, the burden of rebutting the prima facie case thus made by showing justification shall be upon the person charged with a violation of this section and unless justification shall be affirmatively shown, the commission is authorized to issue an order terminating the discrimination."

In all too many laws which seek to control business practices, the attempt is wholly one-sided. It is only in recent years that the recipient of favors has been statutorily placed on the same basis of guilt as is the grantee. The buyer was not proscribed by the early price-control laws; but was, at least verbally, held responsible in the latest draft. The fact that he seldom was so held was, as is the case with the giver of a bribe, wholly a matter of discriminatory administration. Price-control under a law with a similar provision has really worked in Argentina because it has been enforced as it reads.

One reason for the narrowness of the supreme court's consideration of the variegated phraseology of the Robinson-Patman act—a statute which is far less cumbersome in that respect than are most of those in its much-divided area of application—derived from that fault of the so-called "antitrust" laws frequently referred to in these columns—their incompatible purposes of making competition both free and fair. Referring to the possibilities of direct, simplified enforcement of the act through individual consideration of its provisions relative to buyers, the court said:—"Such enforcement, however, might readily extend beyond the prohibitions of the act and, in doing so, help give rise to a price uniformity and rigidity in open conflict with the purposes of other antitrust legislation."

That is a possibility which should be avoided by proper revision of the various acts in the antitrust group which would assure their adequate correlation.

With some such purpose in mind, the federal Attorney-General recently announced that he is appointing a national committee to check the present administration's antitrust policy. His plan is to request a group of lawyers, economists, and jurists—to what extent the economists would be men with practical business experience is not clear—to study and plan the construction of "an agreeable [?] statement of national antitrust policy that will confirm the principles of private competitive enterprise and, insofar as possible, combine certainty with flexibility." The idea will be presented in detail to the American Bar Association's meeting in August. It is said, by the Attorney-General, to look to a middle-of-the-road enforcement. President Eisenhower has expressed his belief that this idea "will provide an important instrument to prepare the way for modernizing and strengthening our laws to preserve American free enterprise against monopoly and unfair competition." That, obviously is a big job, and its difficulty is not lessened by the fact that freedom and fairness in competition cannot coincidentally exist without limitation.

The so-called "antitrust" laws, having been tinkered with variously for more than a half-century, are badly in need of revision. That job calls for all possible participation of business, and every business group and every group of lawyers engaged in business practice—and, of course, some sort of body of theoretical economists—should start now to read the hundred or two five-foot bookshelves of records of the actions under the attempts to administer those laws. That part of the job might be completed by the time another administration comes in at Washington. It might be better—it could be—and it certainly would be much speedier to read only the dissenting opinions of administrators and jurists. In that manner, a very good picture of much that is rendered could be got. The big job of getting even a sizeable part of that will still be something for the next generation to—think about. Meanwhile, the various groups at least individually devoted to economic development and progress could find nothing better fitted to that purpose than an overhauling of all legislation having to do with the regulation of business practices—and of its administration.

For the Bookshelf

PREPARING EMPLOYEES FOR RETIREMENT, with a paper on Techniques of Agreement in Human Relations. Paper; 27 pages, 6x9 in. New York: American Management Association. $1.25.

OPERATING PROBLEMS OF PERSONAL ADMINISTRATION. Paper; 40 pages, 6x9 in. New York: American Management Association. $1.25.

PRACTICAL APPROACHES TO SUPERVISORY AND EXECUTIVE DEVELOPMENT. Paper; 42 pages, 6x9 in. New York: American Management Association. $1.25.

SIGNIFICANT ISSUES IN CURRENT COLLECTIVE BARGAINING, with a paper on The Spiritual Aspects of Free Enterprise. Paper; 32 pages, 6x9 in. New York: American Management Association. $1.25.

SPOTLIGHTING THE LABOR-MANAGEMENT SCENE. Paper; 43 pages, 6x9 in. New York: American Management Association. $1.25.

These five brochures are, respectively numbers 142, 144, 145, 146, and 147 in the personnel series of AMA publications. Each of them is a practical treatise on its specific subject, comprising contributions by men who have successfully handled the topics on which they write.

The subject of each brochure is properly labeled by its title. One need but look at that list of five titles to know how pertinent they are to some of the biggest problems of business today. Those who are faced by those problems—and that is everybody in management—will find something helpful in what is said thereon in one or another of these dissertations.

Washington Talks It Over

—Continued from page 5

that year too. Scarcely a year goes by without some record of heavy rain, drought, severe storm, etc., being observed somewhere in the world and the coincidence of one of the meteorological events with some of man's activities does not mean that any influence was exercised by man.

Although all the details of the tornado formation are not known, meteorologists for years have recognized the characteristics which the atmosphere must have in order for tornadoes to form; and it can be said with confidence that the broad weather conditions existing over the United States the past spring were unusually favorable for tornado occurrences. For example, in May, 1953, ninety-seven tornadoes were reported, but in May, 1933, a month which was quite similar to May, 1953, in overall weather pattern in the United States, ninety-one tornadoes were reported and this occurred long before the advent of the atomic bomb. In May, 1952, when atomic tests were in progress, only thirty-six tornadoes were reported.

By comparing the energy released in an atomic explosion with the energy involved in normal atmospheric processes and by studying the probable effects of the contaminants added to the atmosphere, we are led further to believe that no significant effects should be expected. For example, the energy released by the explosion of one atomic bomb of the type used at Hiroshima is approximately equal to that of the sun's rays falling on an area of two square miles of ground during an average day. The dust added to the atmosphere by the explosion is much less than that picked up by winds in a small dust storm over the Great Plains; furthermore, particles normally present in great number in the atmosphere, such as sea salt, are more effective as condensation and sublimation nuclei than explosion-derived particles even if the latter do carry electrical charges.

US Prime Contract Awards

In the thirty months between the outbreak of the Korean war and December 30, 1952, 100 companies and corporate groups were awarded 62.4 percent of the dollar value of Defense department prime contracts, according to the Munitions Board. This percentage includes contracts awards to 245 subsidiaries, affiliates, and operating divisions of the 100 firms.

The value of the procurement amounted to $50,100,000,000. Ranked by volume, the five principal contractors were General Motors Corporation, $5,280,000,000; General Electric Company, $2,850,000,000; United Aircraft Corporation, $2,330,000,000; Chrysler Corporation, $2,150,000,000, and Douglas Aircraft Company, $2,120,000,000.

The report estimated almost 75 percent of the 100-company total went for the purchase of tank-automotive equipment, aircraft, weapons, and other ordnance items. The report also points out that only thirty-four of the nation's largest manufacturing firms, as ranked by the Federal Trade Commission on the basis of value of assets in 1948, appear on the list of 100 largest military prime contractors.

Government's Personnel Problem

Department heads charged with the responsibility for cutting down the personnel in overstaffed agencies and bureaus, are reporting that their progress is being slowed by an antiquated complexity of rules which takes into consideration almost everything except how capable and efficient the job-holder is.

As a result of this handicap, men whose jobs have been abolished, and who are no longer needed, are being held on the payroll, because it is known that if they are dropped, they will "bump" key men who have fewer "points," but who are more capable and efficient, and whose services the department feels they cannot afford to lose.

The deadweight they are forced to carry to avoid serious disruption of work, has led many department heads to urge a reorganization of our Civil Service System, and a provision whereby the head of a department could permanently remove from his payroll 1 or 2 percent of his employees annually "without cause." It is believed this threat would rid the government of many loafers and trouble-makers who have been "unfireable" under present regulations.

Competition From Army, Navy

The army PX's and the navy's ship stores are the butt of another round of criticism from retailers and congressmen over the matter of competition with private business. This is far from a new question, but is one that pops up ever so often and it can be expected that the usual course of events will be followed—when protests from retailers become too vocal, congress investigates, after which the services modify their rules and impose new restrictions on operations of the establishments.

We are now in the second phase. For the past several weeks a subcommittee of the house has been looking into the matter of the government competing with private industry and PX's and ship stores were not overlooked. Spokesmen for the retailers presented testimony and an exhibit to show that domestic armed forces post exchanges are selling a wide range of merchandise to unauthorized civilians. Over $200 worth of merchandise was exhibited which had been purchased from the service stores by civilians with never a question asked.

Regulations require that only uniformed personnel, their dependents and certain other limited groups be allowed to patronize the post exchanges where goods are sold at discounts up to 25 percent from list prices. But like so many other regulations, they are enforced only so long as the "heat is on."

Bread Softener Issue Up Again

The Food and Drug Administration soon may be facing the necessity of having to rule on whether to open up the bread standards to permit the inclusion of a new type of "bread softener." The problem is coming up for a certainty simply because research does not stand still. But what gives the matter an interesting twist is that responsibility for the issue again being raised rests in FDA's own backyard, another government agency—the Department of Agriculture.

Endowed with responsibility (and considerable funds) to spread the uses of farm products, researchers in the Bureau of Agricultural and Industrial Chemistry have been looking into the chemistry of soy flour and have come up with two new products that are shown to be "good bread-softeners." They have been named "Gelsoy" and "Soybean Whey Solids." Just a little bit—1 percent of flour weight—increases bread-crumb softness and helps retain the normal resilience of good bread.

Dr. C. W. Ofelt and coworkers at the Northern Regional Research Laboratory discovered the bread-softening properties of the materials. "Gelsoy" is the water-soluble part of soy flour obtained after washing the flour with alcohol, while "Soybean Whey Solids" are water-soluble fractions, extracted so that they contain a minimum of protein.

The bureau reports that the discovery may help meet consumer and baking industry demand for soft bread. But FDA will have something to say on that matter first. FDA only recently closed out a three-year administrative and court battle over bread softeners, and finally got the right to say what can be put in bread by the baking industry—and "Gelsoy" and "Soybean Whey Solids" aren't on the list.

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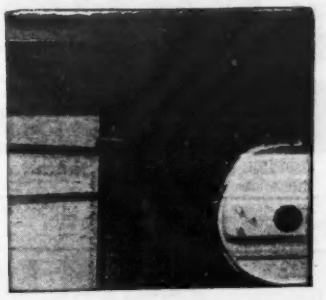

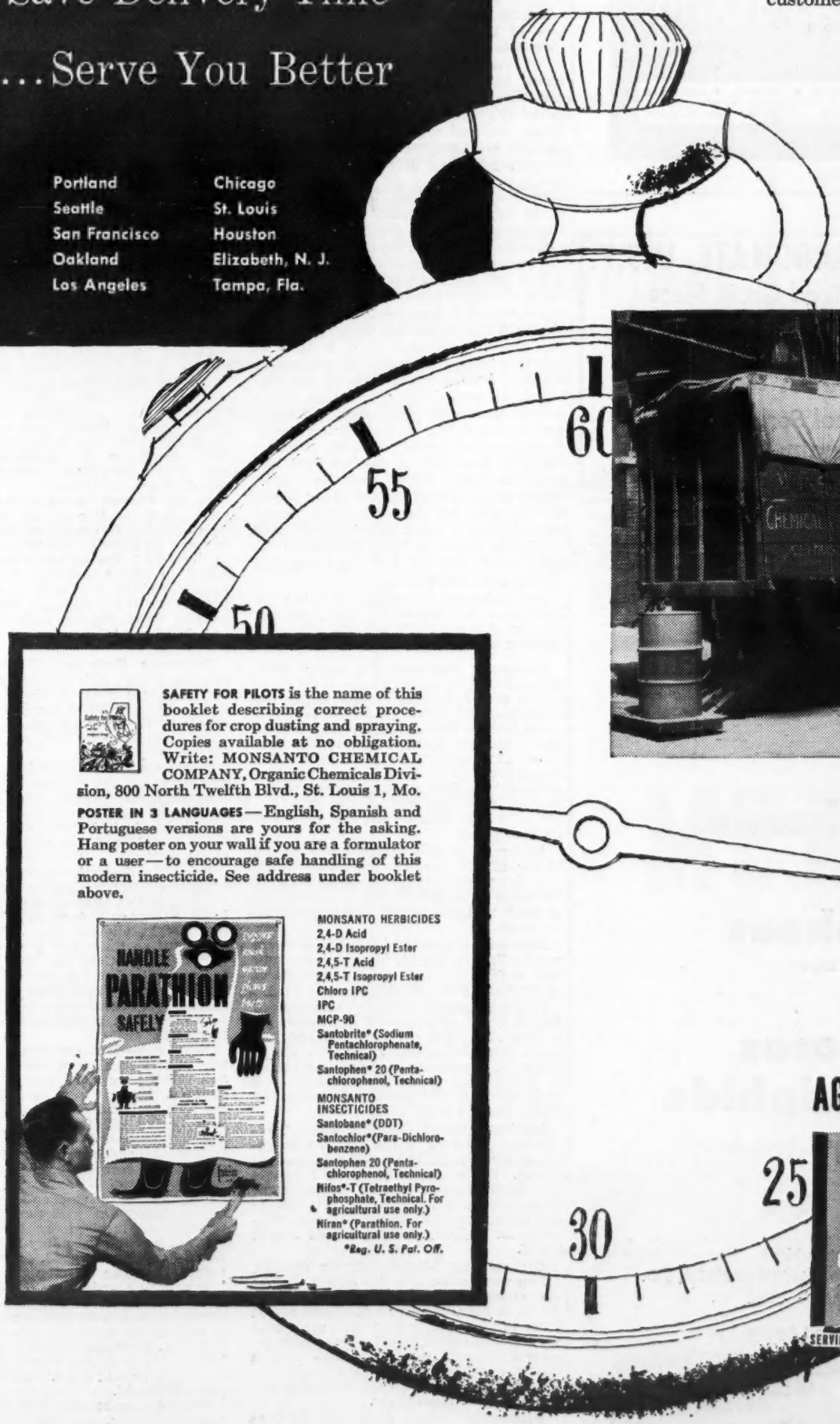

SAFETY FOR PILOTS is the name of this booklet describing correct procedures for crop dusting and spraying. Copies available at no obligation. Write: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 800 North Twelfth Blvd., St. Louis 1, Mo.

POSTER IN 3 LANGUAGES—English, Spanish and Portuguese versions are yours for the asking. Hang poster on your wall if you are a formulator or a user—to encourage safe handling of this modern insecticide. See address under booklet above.

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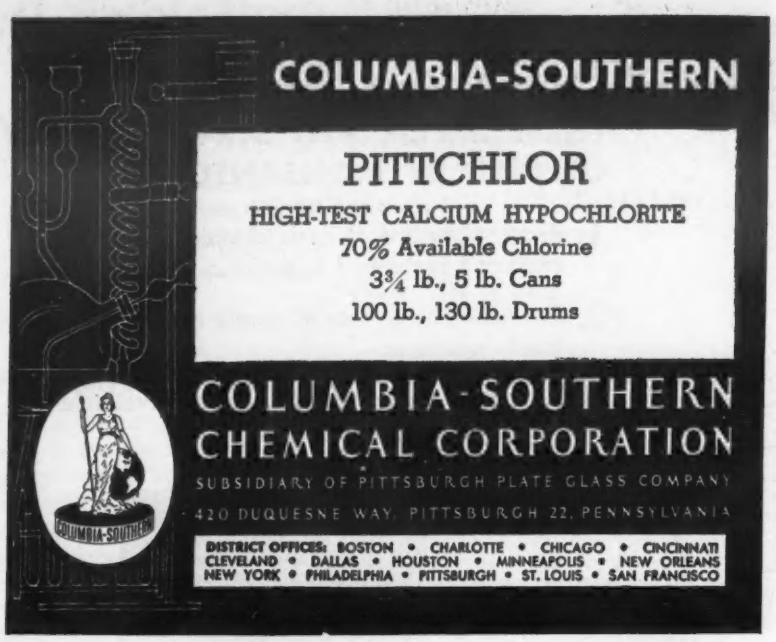
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Heavy Chemicals

Index increased sharply last week to 98.36 from 97.63 in the preceding period. The price advances far outnumbered the declines. The accompanying box shows the score and it is apparent that many producers chose July 1 as the date for making price alterations. Advances previously recorded do not appear in the current box. Higher producing costs covering containers, freights, labor and materials which have been accumulating are the primary causes which brought about the upward revisions. The declines were confined to tin and tin based chemicals. The metal has followed a downward course throughout the month of June and opened July in a very uncertain condition with a top-heavy appearance.

Buying interest was active until the turn of the month, particularly for the chemicals tagged for an advance on July 1. It was stated that producers' inventories have been substantially reduced and there were some signs of short stocks including sulphuric acid. Producers were rather confused regarding the outlook on account of the vacation period and the temporary closing of several consuming plants.

Domestic production levels of industrially important inorganic chemicals were slightly higher for April than for March 1953 and were generally higher than for the corresponding month of 1952, according to the Bureau of the Census. Increases from March 1953 were reported for 24 of the 47 chemicals included in this release while the output for 21 chemicals was lower. A comparison with April of last year shows increases in production for 42 chemicals and a decrease for only 3. April production of chlorine, phosphorus trichloride, potassium hydroxide, and sodium chlorate exceeded any previously reported monthly amount. Production and shipments of finished light and dense soda ash and of chlorine totaled higher in April than for any other month during 1953. On the other hand, caustic soda shipments were less in April than in March, although April production totaled more than the quantities reported for the previous month.

Production figures appearing below unless otherwise designated are from the Bureau of the Census and the Chemical Division of the Tariff Commission.

Ammonia Anhydrous—Industry wide advance was made July 1, as a result of higher producing costs and a strong demand. The current range for the fertilizer grade is from $85 to $88 per ton in tankcars f.o.b. works, according to the producer. The refrigeration grade in tankcars ranges from $87.50 to $90.50 per ton. The advance in cylinders shows pure in zone 1 at 18½c. per pound, zone 2—19c., zone 3—19½c. to 20c., zone 4—20c. and zone 5 at 21c. per pound.

Ammonia, Aqua—Tankcars are priced higher at $96 per ton, anhydrous basis, f.o.b. the works. Producers are working on the drum price but were not in a position to make an announcement at the close of the week.

Ammoniacal Liquor—Higher prices were made effective July 1. Tankcars are now held at $96 per ton, works, an increase of $6 over the previous figure.

Calcium Carbide—Price was unchanged July 1. Standard generator size drums remained at $134.40 per ton delivered. Demand fair throughout June with stocks adequate. Production in April was placed at 68,391 tons of commercial compared with 68,946 in the preceding month and 60,601 tons in April 1952.

Calcium Chloride—Buying interest active over the turn of the month with demand for prompt shipment described as strong. While stocks in most instances have been adequate to meet demand, some producers have been under pressure to meet requirements. It was stated that inquiry for highway dusting is now in full swing.

Carbon Tetrachloride—Higher contract prices were made effective July 1. Drums (55 gallons) east of the Rockies were priced at 9¼c. per pound in carlots and at 8¼c. in tankcars, these prices applied to spot material since June 10. The prices for zone 2 (western) were 9¾c. for drums in carlots and 8¾c. per pound for tankcars. Eastern prices are f.o.b. the works and western f.o.b. stockpoints.

Production during April amounted to 18,953,960 pounds, compared with 18,431,629 in March and 18,268,522 pounds in April 1952.

Market Trends

Advanced

Ammonia, anhydrous, $3 per ton.
Aqua, $10 per ton.
Ammoniacal liquor, $6 per ton.
Carbon tetrachloride, tankcars, 0.53c. per lb., dms.; 78c. per lb.
Chlorine, 25c. to $1.60 per 100 lbs.
Potassium chlorate, ½c. per lb.
Silicate glass, $2.30 per ton.
solutions, 15c. to 30c. per 100 lbs.
Soda caustic, dry forms, 35c. per 100 lbs.
Sodium bicarb., 20c. per 100 lbs.
Chlorate, ½c. per lb.
Silicate meta, 35c. per 100 lbs.
Penthydrate, 20c. per 100 lbs.
Sesqui, 35c. per 100 lbs.

Reduced

Potassium stannate, .8c. per lb.
Sodium stannate, .8c. per lb.
Tin chloride, 1.2c. per lb.
Crystals, 1c. per lb.
Metal, 1½c. per lb.
Sulphate, 1.1c. per lb.
Tetrachloride, .9c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
98.36	97.63	97.58	95.06

(For Current Prices see page 9)

Chlorine—A new price schedule became effective July 1, demand prior to that date was active for immediate shipment. Difficulty in storing this chemical has kept the buying movement restricted mostly to current wants. According to the revised schedule single unit tankcars are priced at $2.93 per 100 pounds, multi units 3 cars $3.80, 2 cars $5 and one tankcar at $6 freight equalized. Five unit tankcars vary from $3.80 to $3.83 per 100 pounds.

Copper Sulphate—There was some pickup in the agricultural demand last week. The inquiry was broad and covered most of the northern area. Shipments for industrial use maintained their usual steady average. Export sales were not individually large and followed the spotty lines recently noted with South American countries showing the most interest. Stocks remained comfortable.

Potash, Caustic—Producers' inventories were relatively low at the close of the month, owing to the desire of consumers to stock up prior to the higher prices effective July 1. The current schedule shows flaked in drums, carlots, $9.15 per 100 pounds, l.c.l. $10.20, liquid drums, carlots, $4.25, l.c.l. $5.05, tankcars $3.70 per 100 pounds. Solid, drums, carlots $8.70 and l.c.l. $9.75 per 100 pounds, all prices f.o.b. the works.

Potassium Carbonate—Contract prices are now higher with producers naming $9 per 100 pounds for calcined in barrels, carlots and to $10.05 for l.c.l. Hydrated, contracts, $7.60 per 100 pounds in barrels, carlots and $8.65 for l.c.l., all prices f.o.b. the works.

Potassium Chlorate—Higher prices are now effective, the advance amounting to ½c. per pound. Producers name 10¼c. for crystals in carlots and 11½c. to 12c. per pound for l.c.l. Powdered is priced at 10¾c. carlots and 12c. to 12½c. for l.c.l. at the works.

Potassium Stannate—Lower prices were established last week as a result of the decline in tin. Producers quoted 68c. to 73.6c. per pound, depending upon quantity freight allowed East. Above prices are based on tin at 91c. per pound.

Salt Cake—Contracts for commercial are now priced at $19 per ton bulk at the works. Supply conditions have shown some improvement over the past month regardless of a steady demand for kraft paper use.

Soda Ash—Tonnage shipments during the past month have continued steady and prices have ruled firm at the recent advance. Demand remained broad, with the chemical and glass industries prominent in the call for shipments. Production has been well adjusted to meet requirements, and buyers experienced little difficulty in securing prompt deliveries.

Soda, Caustic—Producers' stocks of flaked and solid have been reduced appreciably during the past month by heavy withdrawals inspired by the announcement of higher prices July 1. Demand for liquid continued good, although less urgent than the call for the dry forms. The current schedule shows flaked 76 per cent at $4.10 per 100 pounds in 400 pound drums, carlots, with ground and powdered in 450 pound drums at the same figure. The l.c.l. price for flaked is $5.30. Solid in 700 pound drums, carlots, is priced at $3.70 and l.c.l. at $4.90. No change in the price of liquid.

Sodium Bicarbonate—Recent advance in soda ash prices, combined with other increased production costs, forced an up-

For Late Market Developments, See Page 4

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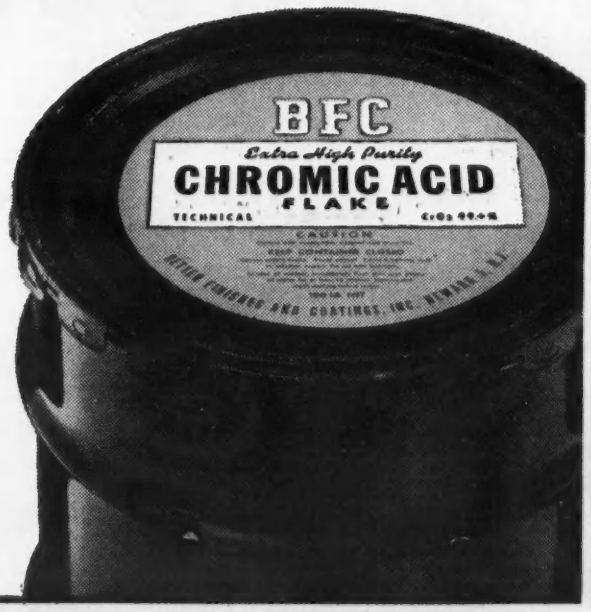

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ward revision of bicarb quotations July 1. The new schedule shows USP granular in paper bags at $2.70 for 100 pounds, carlots, and at $3.70 for l.c.l. Powdered in paper bags $2.30 per 100 pounds, carlots and at $3.30 for l.c.l., f.o.b. the works.

Sodium Chlorate—This market followed the pattern of other markets where advances were announced for July 1. Demand was active up to the turn of the month. New prices effective July 1 show carlots at 8¾c. per pound and l.c.l. at 10¼c. to 11c. per pound, depending upon quantity f.o.b. the works.

Sodium Metasilicate—Producers' inventories have been reduced by heavy consumer withdrawals in order to secure stocks prior to the advance July 1. Anhydrous is now $5 per 100 pounds in bags for carlots. Penthydrate is $4 per 100 pound bags, carlots and sesquisilicate $4.70 per 100 pounds in bags, carlots f.o.b. the works.

Sodium Stannate—Lower prices were made effective last week, owing to a decline in tin. Producers named 50.6c. to 73.6c. per pound, according to quantity freight allowed East. Above prices are based on tin at 91c. per pound.

Sulphur—April shipments of native sulphur were placed at 522,393 long tons, against 516,780 in March by the Bureau of Mines. Apparent sales in April were 521,476 long tons, compared with 517,795 in the preceding month. Shipments of recovered sulphur in April amounted to 19,036 long tons, against 18,806 in March. Apparent sales in April were 15,667 long tons, compared with 15,476 in March.

Tin Chemicals—Prices declined last week under the influence of lower metal. Producers quoted chloride stannous at 86c. to $1.068 per pound, crystals hydrous 75½c. to 85½c., sulphate stannous 91.8c. to 93.8c. and tetrachloride anhydrous 74.8c. to 75.8c. per pound f.o.b. the works. Prices are based on 91c. tin.

Acids

Acetic—Buying interest in glacial continued fairly active throughout the past month and producers stated the market has held its own. Stocks while not excessive were fully sufficient to meet requirements and there were no price changes to note.

Chromic—While small lot sales have predominated, total sales for June were described as good. The market remained steady at the recent advance with platers showing a disposition to limit purchases to current wants.

Hydrochloric—An industry wide advance in contract prices became effective July 1. Demand was active during the past month with some suppliers having difficulty in securing enough stocks to level off requirements.

Hydrofluoric — Consumer buying has kept close to production holding stocks down and prices firm. No change in quotations was announced at the turn of the month.

Hydrofluosilicic—Continued to find a fairly steady outlet. Producers quoted 6c. per pound for 50 gallons steel drums basis 30 percent f.o.b. the works.

Nitric—Carboys in carlots were priced 25c. per 100 pounds higher for contracts effective July 1. Demand remained active with sustained production holding the supply position comfortable.

Oxalic—Combined sales made a somewhat better showing in June than in May according to producers. There was no variation in prices from the recently advanced level.

Sulphuric—Active demand throughout June has absorbed production readily and forced a slight delay in shipments from some producing plants. The buying movement did not appear to be the result of the announcement of higher prices July 1, as few consumers have storage facilities for stocking over a week's supply, but to a broader industrial demand.

April production was placed at 1,207,933 tons gross and included 272,149 tons made by the chamber process and 935,844 by the contact process. March output was 1,270,131 tons and in April last year 1,115,602 tons were produced. The amount of spent acid used in fortification was 87,676 tons in April, compared with 97,379 in the preceding month and 85,821 tons in April 1952.

Nonferrous Metals

Aluminum—London advices state that Great Britain restored all trading in aluminum to private buyers on July 1 after 13 years of government bulk buying. The decision to permit private imports of this metal is the latest in a series of switches from government to private trading introduced by the Tory government.

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Antimony—Smelter production of antimony in April continued to increase, totalling 860 short tons, or an increase of 50 percent over the first quarter monthly average of 570 tons, according to the Bureau of Mines. Industrial consumption decreased only 5 percent from the 1,100 tons consumed in March and amounted to 1,050 tons. Of the total consumption, 61 percent was used in the manufacture of metal products and 39 percent was used in the manufacture of nonmetal products.

Stocks held by producers and smelters on April 30 decreased 7 percent from the 3,200 short tons reported on hand April 1 and were the lowest reported for 1953. Stocks held by industrial consumers and dealers, at the end of April, remained virtually unchanged from the 3,800 tons reported on hand the beginning of the month. Imports increased 37 percent in April over the 760 tons imported in the preceding month and amounted to 1,040 short tons. Of the total amount imported, 63 percent was in the form of ore and concentrates, 24 percent in the form of metal and 13 percent in the form of oxide. Exports of ore and metal continued negligible, while exports of antimony salts and compounds (gross weight) totalled 5 tons, valued at $3,623.

Copper—Prices remained unchanged last week, with electrolytic holding at 29¾c. to 30c. per pound delivered Valley basis. Buying interest was rather quiet and spotty, with consumers not inclined to extend commitments much beyond the limit of actual wants.

Consumption of refined copper in April was at the highest rate attained since the end of World War II, according to the Bureau of Mines, United States Department of the Interior. Apparent consumption of primary copper rose 5 percent above March and, except for December, 1952, was the greatest since before the compilation of monthly data was begun two years ago. Imports, except for September and December, 1952, were the largest in the post-World War II period. The large April entries were influenced by the receipt of 10,000 tons of unrefined copper from Northern Rhodesia. Production of refined copper from scrap continued at the high level established in March, or 61 percent higher than the monthly average for 1951-52.

Lead—Firm with moderate improvement reported in the consuming demand. Sales for the week were said to be of better volume than in the preceding period, and the price was fully sustained at 13½c. per pound, New York, and at 13.30c., St. Louis basis. Strength in the London market created a feeling of confidence in domestic circles.

Magnesium—Shipments of castings in April were placed at 1,647 tons, against 1,680 in March by the Magnesium Association. April shipments were about 18 percent above the total for the corresponding month in 1952.

Manganese—The Defense Materials Procurement Agency announced it will spend up to $517,000 for construction of a pilot plant to test a new manganese production process. The plant is located in Paterson, N. J., and will test a process for treating Aroostook County, Maine, ores.

Molybdenum—N.P.A. has dropped all controls from molybdenum, chromium and cobalt, and it substantially eased its restrictions on columbium and tantalum. The agency dropped allocation controls for molybdenum, columbium, tantalum and cobalt, and it wiped out inventory and reporting controls for all five of the metals. Still in effect are end use restrictions on columbium and tantalum-bearing steels. The only other alloying metal remaining under complete N.P.A. control is nickel.

Quicksilver—No improvement in the extent of trading could be noted last week. The round lot price remained at $190 per flask on spot. The market appeared to be comfortably supplied, while consumers were not inclined to purchase beyond the limit of actual wants.

Tin—Lower prices were recorded last week, with demand relatively slow. The fact that the government is expected to complete its stockpiling shortly, combined with topheavy production and the uncertain Korean situation, kept consumer interest cautious. Spot was obtainable in the late trading at 88½c. per pound for Grade A.

Zinc—No unusual activity last week. Some sales reported of prime western at 11c. per pound East St. Louis basis, but consumers did not appear eager to operate in a large way at this time. The London market displayed a slightly firmer tone, although the price movement had no reflection in domestic circles.

Treesdale Demonstrates Flameproofing Compound

A special chemical treatment for clothing which will not burst into flame even when exposed to the heat of a blow-torch was demonstrated in New York last week by Treesdale Laboratories & Textile Processing Company, Pittsburgh, Pa.

The demonstration, presented to a group of press, public safety and textile officials at the Ambassador hotel, illustrated a flameproof compound called "Permaproof 300," which, when applied to cotton cloth provides a durable finish impervious to combustion even at temperatures up to 4,500 degrees Fahrenheit. The "Permaproofed" cloth, of which several million yards have been in actual use, was described as the first finish of its kind which may be laundered repeatedly without losing its fire-retardant properties.

St. Joe Paper Appoints

St. Joe Paper Company, Port St. Joe, Fla., has announced that Paul S. Fensom has been appointed director of purchases. Mr. Fensom will have charge of all purchases of supplies and equipment for mill operations.

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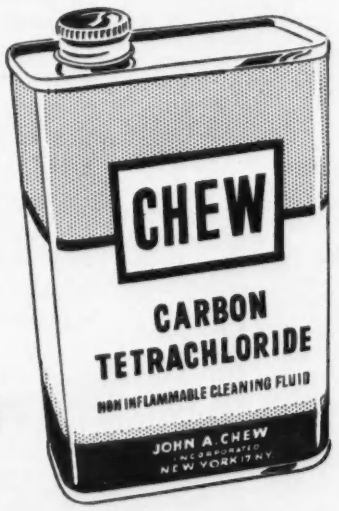

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Titanium Pilot Plant Now Being Erected in L. I. City

Union International Research, Inc., Long Island City, N. Y., has begun construction of a pilot plant as the next stage in the commercial development of its new process for the electrolytic production of pure titanium directly from titanium dioxide. According to the company, the process has been tested on a laboratory scale and has now reached the point where a pilot plant is needed to produce sufficient amounts of the metal for commercial tests.

United expects that its process will provide a new, low-cost source of pure titanium metal, having little residual nitrogen or oxygen. Technical grade titanium dioxide is the starting material, which is then refined in a single stage operation and used to feed the cell.

From the tests made, United International calculates that it can make titanium metal on a commercial scale at a price somewhere between $1 and $1.50 per pound. The cell produces the metal in the form of sponge, which would then go through normal fabrication procedure to form ingot, sheet, etc.

In addition to the pilot plant, United is also building one complete commercial-size cell in order to secure the most accurate determinate of a full size plant. It is expected that the pilot plant will be completed and in operation late in October.

Gulf Oil Corp. Sulphur Unit Completes Year's Operations

A new sulphur recovery unit of Gulf Oil Corporation at Waddell, Tex., produced 12,750,000 pounds of sulphur in its first year of operation, the company stated last week in the first public report about this installation. The unit was also described as "completing 100 percent utilization of casinghead gas from nearby company fields."

Designed to be one of the most efficient of its type, the unit was placed in service June 12, 1952, as an addition to the company's Waddell natural gasoline plant. It has a rated capacity of 44,000 pounds daily, and recovers about 90 percent of the elemental sulphur contained (as hydrogen sulphide) in gas coming into the plant.

According to Gulf Oil, the facility represents the first in West Texas to make available delivery of sulphur in hot, molten form direct by truck to the purchaser. This, it was pointed out, effects important economies by eliminating flaking and storage facilities at Waddell and enabling use by the buyer without remelting. The unit also pioneered gravity loading of sulphur in its area. The unit's entire production is currently purchased, for fertilizer and insecticides, by a fertilizer and chemical manufacturer located at Odessa, Tex., 20 miles from Waddell.

Cleaner-Corrosion Inhibitor Offered by Solvay Process

Solvay Process Division of Allied Chemical & Dye Corporation, New York, has announced a new product, "Nitrox," which is described as a combination cleaner-corrosion inhibitor used for cleaning iron and steel cargo tanks in tankers and for other containers handling light hydrocarbons, inedible oils, solvents and inorganics.

"Nitrox" is said to combine in one operation the efficient cleaning action of caustic soda with the long-established inhibiting action of sodium nitrite. It is produced in a flake form and is packed in 100, 200 and 400 pound steel containers. Literature available from Solvay at 61 Broadway, New York.

Great Lakes Chemical Moves

Great Lakes Chemical Corporation has moved its general offices from the Michigan National Bank Building, Grand Rapids, Mich., to 417 South Hill street, Los Angeles. The move coincides with the relocation to the same address by the parent company, Great Lakes Oil & Chemical Company.

Hooker Promotes Lyke

Richard W. Lyke has been promoted to assistant plant engineer for the Niagara plant of Hooker Electrochemical Company, Niagara Falls, N.Y. Mr. Lyke has been with Hooker since 1942. Before joining the company, he was director of the science department of Livingston Manor Central High School from 1936 to 1942.

Power Pact for Oregon Approved

Secretary of the Interior Douglas McKay has announced approval of a joint plan worked out by Bonneville Power Administration and the California Oregon Power Company for service to southwest Oregon, including the M. A. Hanna Company ferro-nickel smelter south of Roseburg. Terms of the agreement call for BPA and COPCO to jointly complete construction of a 230,000-volt line to Klamath Falls and other transmission facilities to reinforce power service to southwest Oregon coastal areas and carry the nickel plant load.

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Rheem Buys Two Plants, Elevates W.S. Rheem, 2nd

Rheem Manufacturing Company, New York, has announced the purchase of Pacific Steelfiber Drums, Inc., Alhambra, Calif., and Pacific All-Fiber Drums, Inc., Berkeley, Calif. At the same time, the company reported that W. S. Rheem, 2nd, has been promoted from western division manager to assistant general manager for the entire company.

Purchase of the two fiber drum firms includes patent rights, machinery and processes, but does not include land or buildings. Rheem intends to transfer all activities of the two companies to its own plants, and plans an immediate expansion of manufacturing and merchandising activities in the fiber drum field, it was said.

Although Mr. Rheem's headquarters will remain at the South Gate, Calif., plant of the company, his expanded responsibilities will include supervision of all manufacturing and marketing activities in the southern division as well as on the west coast. He will also assist C. V. Coons, vice-president and general manager, in administration of all of the company's twelve plants throughout the United States.

To succeed Mr. Rheem as western division manager, the company has appointed E. C. Bergen, who had been regional manager of the Rheem plants in the Richmond, Calif., area. Mr. Bergen will continue to make his headquarters in Richmond, but is assuming added responsibilities over all the company's west coast production and sales activities.

Hollingshead Promotes Two

Promotion of Joseph L. Laputka to treasurer and secretary and Lloyd L. Entenmann to the position of company controller and assistant secretary has been announced by Wilbur H. Norton, president, R. M. Hollingshead Corporation, Camden, N. J. Mr. Laputka, former company credit manager, succeeds C. R. Ferris, retired, while Mr. Entenmann succeeds J. R. Flynn.

Atlas Mineral Products Names Two

Atlas Mineral Products Company, Mertztown, Pa., has added John C. Bovan to its engineering department and George Baumgartner to its research department. Mr. Bovan was a corrosion engineer before joining the armed services, while Mr. Baumgartner was previously employed by J. T. Baker Chemical Company, Phillipsburg, N. J.

Owens-Illinois Building New Technical Center

Owens-Illinois Glass Co. has announced that it is starting construction of a new technical center at Toledo, Ohio, that will consolidate the company's general research program with the engineering activities of its various divisions. "When completed it will be one of the most advanced technical centers in the glass industry," said Oscar G. Burch, vice-president, research and engineering, who helped plan the center and will direct its operations.

"It will be equipped to conduct research into every process, product and material known to our business," explained Mr. Burch, "and will be capable of carrying a project from the drafting board stage through the laboratory and pilot plant to tests under conditions encountered in commercial production." Broadly, the aims of the Owens-Illinois general research and engineering program are to develop new methods of making and using glass while, at the same time, improving present processes and products.

Carbide Textile Positions Go to Setterstrom, Snyder

Carl A. Setterstrom has been appointed general manager of the textile fibers division of Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York. Mr. Setterstrom had been sales manager of the textile fibers division and before that product manager of Carbide's fine chemicals division. Arthur L. Snyder has been named textile fibers sales manager to succeed Mr. Setterstrom. Mr. Snyder had been assistant sales manager.

Trade Briefs

John V. Andrews has been elected a vice-president of Kelley Island Lime & Transport Company, Cleveland, Ohio.

E. H. McGrew has been appointed technical director of the catalyst division of the National Aluminate Company, Chicago.

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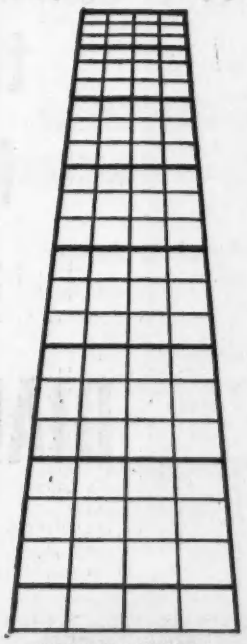

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Index advanced sharply last week to 112.37 from 111.09 in the preceding period. Price increases in ammonium nitrate, nitrogen solutions and urea were substantial while normal and triple superphosphates also contributed to the upward price movement. Increased producing costs which have been accumulating over a prolonged period of time, accounted for the upward revisions. Price declines were confined to steamed bone meal, castor pomace and cyanamide.

The market situation showed no unusual activity. The tightest supply spot was in ammonium nitrate where production throughout the entire year was never of sufficient dimensions to level off demand. There were no large stocks of nitrogen solutions available on July 1. Urea was another item that remained in rather short supply during most of the fertilizer season although importations relieved the situation to some extent prior to the close. A seasonal slackening in the call for ammonium sulphate was noted throughout June and consumers were able to secure stocks without difficulty. A similar condition existed in normal superphosphate but there were no excess stocks of triple. Mixers have taken their time in placing potash contracts but production is steadily being sold.

Fertilizer Materials

Ammonium Nitrate — Consuming demand was still ahead of the supply at the beginning of the month. Prices for domestic, fertilizer grade, are higher, ranging from $68 to $70 per ton, depending upon the producer. Eastern Canadian material is also higher at $77.50 per ton, all prices are f. o. b. the works.

Ammonium Sulphate—Demand has adjusted itself to seasonal dimensions so far as domestic mixers are concerned and no price changes were announced at the beginning of the month. The government has called for bids on 110,000 tons for shipment to Korea and it is expected that part of this amount will be placed by domestic exporters.

Bone Meal—Absence of demand for domestic steamed meal has weakened the market and prices were lower at the close of the period. There were sellers at $60 per ton in bags, carlots, works.

Castor Pomace—Priced lower at $32 per ton in bags, carlots, works. The active season for this material is over and the market is definitely a quiet affair.

Cyanamide—Lower prices are now effective for this material. The fertilizer mixing grade is available at $55 per ton in bags and at $52 in bulk. The pulverized grade is offered a $2.75 per unit of nitrogen, both f. o. b. the works.

Dried Blood—Demand quiet with prices stationary. There was not enough pressure in either direction to alter quotations. Sellers named $5 per unit of ammonia here and in Chicago.

Fish Meal—Prices for menhaden meal and scrap remained unchanged last week. It was intimated that a lower range might be established if demand does not increase. Reports of the catch off the eastern coast continued favorable.

Hoof Meal—Quiet and unchanged. Last sales were at $6 per unit of ammonia, Chicago basis.

Nitrogen Solutions—Higher prices were made effective July 1. Producers named $128 per ton for tankcars works, the market is quoted on a nitrogen basis.

Phosphate Rock—Market position firm with shipments holding steady. Producers of triple superphosphate are calling for full contract allotments and the supply position of both high and low grade Florida rock has remained relatively tight. According to trade reports, Italy is expected to enter the market in the near future.

Potassium Muriate—Some mixers have continued in no particular hurry to close their new season contracts although the majority have placed their orders. Increased output has kept the supply position comfortable. According to foreign advices, the international market has shown improvement of late.

Sodium Nitrate—Shipments have been sustained at about the normal seasonal average with weather conditions forcing a slight degree of irregularity to the movement in some areas. Supplies at stockpoints have been kept comfortable and arrivals of imported nitrate have continued regular.

Superphosphate — Higher prices were made effective July 1. Normal is held at 88c. to 91c. per unit of a-p-a works and triple at 98c. per unit of a-p-a at East Tampa, Florida. Buying interest in normal was not unusually active while the inquiry for triple was described as steady. An export sale of 45,000 tons has been closed for Korea for Summer shipment.

Tankage—Not much activity last week. Occasional sales were reported in New York at $4.75 per unit of ammonia and at $5 in Chicago. These prices are the same as recorded in the preceding period.

Urea—Higher prices were made effective July 1. The breakdown shows 46 percent N bags, carlots 6c. per pound and l.c.l at 6½c., 45 percent N in bags, carlots $154 per ton delivered in specified western states and $162 l.c.l. Urea ammonia liquor A and B grades N basis tankcars $128 per ton, works, C grade, tankcars $126.50 per ton works and 37 grade $155.50 per ton works.

Market Trends

Advanced

Ammonium nitrate, domestic, $4 per ton.
Canadian, Eastern, $5 per ton.
Nitrogen solutions, $3 per ton.
Superphosphate, normal, 2c. per unit of a-p-a.
triple, 7c. per unit of a-p-a.
Urea, dom., 46% nitrogen, ½c. per lb.
44%, $12 per ton.
Ammonia liquor, A and B tankcars, $8 per ton.
C grade, tankcars, $8 per ton.
37 grade, tankcars, $8 per ton.

Reduced

Bone meal, domestic, steamed, $5 per ton.
Castor pomace, $1 per ton.
Cyanamide fertilizer mixing grade, $7.50 per ton.
Pulverized, 15c. per unit of nitrogen.

Comparative Price Indexes

(100=1949 average)

week Last	week Prev.	month Last	1952 July 3,
112.37	111.09	111.40	114.21

(For Current Prices see page 9)

*Fertilizer Tag Sales: May**

	Equivalent tons May 1953	May 1952	Jan.-Apr. 1953
Virginia	.....	.....	.....
N. Carolina	.....	.....	1,333,000
S. Carolina	30,000	35,000	729,000
Georgia	223,000	299,000	830,000
Florida	100,000	105,000	568,000
Alabama	.....	.....	795,000
Tennessee	127,000	138,000	245,000
Arkansas	28,000	86,000	173,000
Louisiana	18,000	31,000	185,000
Texas	46,000	47,000	290,000
Oklahoma	.....	.....	59,000
Total South	572,000	741,000	5,207,000
Indiana	29,000	61,000	536,000
Missouri	55,000	67,000	397,000
Total Midwest	84,000	128,000	933,000
California	.....	.....	.....
Total other	.....	.....	.....
Grand total	656,000	869,000	6,140,000

*Information furnished by the National Fertilizer Association.

Los Angeles Market

Los Angeles—Subsiding interest as a result of the current off-season rendered the local market extremely inactive. With no pressure exerted from either side, the market remained steady with no price changes reported. Shipments of Canadian materials were expected to be on schedule by the end of this month. No announcement on price changes for the forthcoming contract period was available for Canadian inorganic materials. Supplies were adequate with exception of spot domestic fish meals.

Ruling prices were:—Ammonium nitrate — $85.30 per ton, domestic, f.o.b., Los Angeles; $86.84 per ton for Canadian material, f.o.b., Los Angeles.

Ammonium phosphate — $77.14 per ton, in bags, 16/20 grade, f.o.b., Los Angeles; $103.64 per ton, in bags, 11/48 grade, f.o.b., Los Angeles. Both Canadian material.

Ammonium sulphate—$35.03 per ton in bags, domestic, f.o.b., Los Angeles; $3 less in bulk, Canadian material same.

Blood meal—$4-$4.25 per unit of ammonia at source. Bone meal—$65-$68 per ton, imported, 1/65 meal, c.i.f., Los Angeles Harbor. Domestic—$90-$92 per ton, f.o.b., Los Angeles.

Calcium nitrate—$48 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Castor pomace—$34-$35 per ton, f.o.b., Los Angeles.

Fish meals—$2.45 per unit of protein, domestic, nominal, sacked, spot, f.o.b., San Pedro; $2.40 per unit July-August; $2.35 per unit October-December. Imported nominal, $2.40 per unit, ex-dock.

Sodium nitrate—$58.50 per ton in 100-pound bags, f.o.b., Los Angeles; $53.50 per ton in bulk.

Superphosphate—$23.70 per ton in bulk, f.o.b., Los Angeles; $4.00 extra for bags. Ammoniated—$31.50 per ton in bulk, f.o.b., Los Angeles, 3/16 grade; $4.00 extra for bags. Triple—$68.50-$72 per ton in bulk, 47 percent a.p.a., f.o.b., Los Angeles.

Pesticides

DDT has developed a stronger tone under an increased demand from the southeastern section where the threat of boll-

For Late Market Developments, See Page 4

weevil infestation is serious at some points including counties in North and South Carolina and Georgia. While 23c. per pound was still named in some producing quarters, 25c. was quoted in others on July 1. Cotton dust, 3-5-40, appeared steadier with sellers naming 9c. per pound in most areas and 8½c. in others, while keen selling pressure was much less than a month ago. BHC continued in slow demand. It was stated that grinders still have inventories to move which in some cases are believed to be quite substantial. The season has been abnormally late as a result of weather conditions, the prolonged drought in the Southwest keeping the plant pests from making much headway. The feeling in trade circles at the turn of the month, however, was decidely more confident than at the beginning of June. According to USDA reports, the hardest hit area centers in the Oklahoma panhandle and fans out into Texas, New Mexico, Colorado and Kansas. Considerable wheat acreage has been abandoned in this area.

The Ministry of Public Health and Social Assistance of the Turkish Republic will purchase with free dollars from the United States 440,924 pounds of pure technical DDT. Manufacturers may obtain full set of specifications by writing or telephoning the Turkish Economic Mission, 1700 Webster street NW, Washington 11, D.C. Telephone Ra-6-2510.

DDT, 'Triton' and Xylol Bids Sought by Turkey

The Turkish government is seeking bids from US suppliers on DDT, "Triton" and xylol. Purchases will be made with free dollars for 440,924 pounds of pure technical DDT, 1,322,773 pounds of 75 percent water wettable DDT powder concentrates, 18,930 pounds of "Triton X-100," 18,930 pounds of "Triton B-1956" and 145,750 pounds gallons of xylol.

Prime producers may obtain full sets of specifications by writing or telephoning the Turkish Economic Mission, 1700 Webster street, N. W., Washington 11, D. C. Telephone number is RA 6-2150. As a prerequisite to bid, a certificate of a local Chamber of Commerce will be required certifying that the bidder is a prime manufacturer.

Bids must be submitted for each item individually in separate and sealed envelopes and must be sent airmail to Presidency of the Purchasing Commission for Malaria Fighting Equipment, Ministry of Public Health and Social Assistance, Ankara, Turkey. Bid deadline is August 11. Bids must be firm through September 14 and should be on an f.a.s., Atlantic or Gulf ports basis.

Entomology Bureau Post Awarded to Henry Herrell

Henry G. Herrell, longtime employee of the Department of Agriculture, has been named to the post of assistant chief in charge of administration of the department's Bureau of Entomology and Plant Quarantine.

Mr. Herrell succeeds Ralph A. Sheals who has retired after thirty-five years of federal employment, of which the past three and one-half years have been as assistant bureau chief. Mr. Herrell has served with Mr. Sheals as the bureau's deputy assistant administrative chief since January, 1951.

In his new position, Mr. Herrell will be responsible for the direction of the bureau's administrative functions and will participate with the chief, Avery S. Hoyt, and his staff, in the general administration of the bureau's activities.

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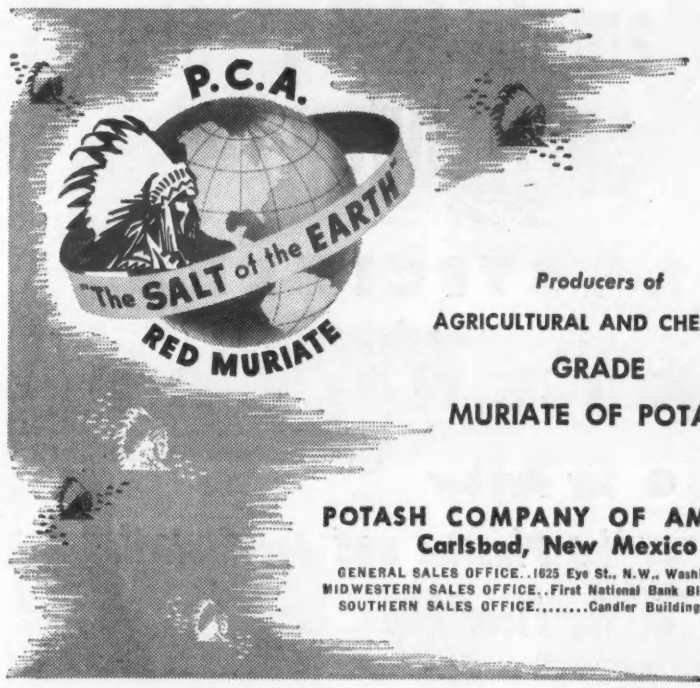

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Petroleum Derivatives

The general upward trend in prices of petroleum products continued last week, as more and more refiners joined the movement to offset the recently increased cost of crude oil. Nearly all solvents and diluents have reflected the boost in crude prices, and manufacturers expect the remainder to follow soon. The industry was in general agreement that higher quotations on most petroleum products would have little or no effect on forthcoming consumer demand.

Supply problems persisted in some instances last week. With the government calling for the major share of toluol output, civilians were faced with an almost total lack of reserves. The xylol situation in regard to both production and stocks appeared as difficult as in previous weeks, with buyers in many instances hard-pressed to fill needs. Crude scale and fully refined grades of paraffin were found to be in short supply, as well as benzonitrile and thiophene in some cases. Makers of the latter two products continued to be hampered by lack of basic toluol stocks.

The liquefied petroleum gases market, with propane and butane steady at contract prices, continued to experience some spot sales, which is characteristic of the current period of seasonal slackness. Nevertheless, prices were expected to stay the same for the rest of the summer. Petroleum sulphonates were regarded in long supply. Microcrystalline waxes displayed a firm price structure, and most producers agreed that the market situation was one of good balance.

Solvents and Diluents

Benzol—Indications from trade sources were that the crude oil price increase would affect most contracts for petroleum benzol output. Several companies have escalated prices, it was reported and others were expected to follow suit. Demand remains steady at current levels, and ample stocks are available for consumer requirements.

High Solvency Naphtha—Prices were raised 2c. per gallon in most cases on July 1, to offset the increased cost of crude oil. Demand was said to be well sustained, with supplies ample enough to discount any possibility of shortage in the immediate future.

Rubber Solvent—Demand was considered steady regardless of the July 1 increase of 1c. per gallon in East Coast tank and group three tank prices. Plentiful stocks were reported.

Toluol—No relief was seen for the tight supply situation despite the July 1 advance of 2c. per gallon. It was pointed out that increased cost to the consumer had no effect on the market at this time, due to relative unavailability of stocks. The government, still taking nearly all petroleum toluol production for its arsenals, and for aviation gasoline, left producers with supplies insufficient to meet civilian needs.

Xylol—Supplies continued tight during the week. Most sources did not expect stocks to increase during the next few months, as refineries in many cases continued to be given over almost totally to toluol production. The July 1 increase of 2c. per gallon was not expected to have any effect on consumer demand in the near future.

Lighter Fractions

LPG's—While demand is said to be soft in accordance with diminished seasonal requirements, f.o.b. group three prices of 3½c. per gallon for both propane and butane are expected by the trade to hold steady for the remainder of the summer. Manufacturers continue to take advantage of underground storage facilities, in order to build up sufficient stocks for the expected increase in consumer demand next winter. Indications of spot activity in the present market prevail, with a wide range of prices quoted. The Bureau of Mines reports that daily average production of liquefied gases in April averaged 92,000 barrels per day, with a total for the month of 2,770,000 barrels. Transfers of LPG's from natural gasoline amounted to 7,608,000 barrels.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended June 20 totaled 278,543,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 278,960,000 barrels for the preceding week, this represents a decrease of 417,000 barrels comprising a decrease of 1,031,000 barrels in stocks of domestic crude and an increase of 614,000 barrels in stocks of foreign crude.

Market Trends

Advanced

Heptane, indust., Bayonne, tanks, 1c. per gal.
Hexane, indust., Bayonne, tanks, 1c. per gal.
Mineral spirits, reg., tanks, E. Coast, N. J., N. Y., Gp. 3, 1c. per gal. tankwagon, Balto, Boston, Newark, N. Y., Providence, Wash., D. C., 1c. per gal.
Naphtha, cleaners, tanks, E. Coast, N. J., N. Y., Gp. 3, 1c. per gal. tankwagon, Newark, N. Y., Phila., 1c. per gal.
High solvency, 200-285 b.r. 37°-38°C. mixed anilin pt., tanks, refy. or E. Coast, 2c. per gal.
270-370 b.r., 78-81°C. m.a.p., tanks, same basis, 2c. per gal.
340-410 b.r. 27°C. m.a.p., tanks, same basis 1c. per gal.
350-425 b.r. 32°C. m.a.p., tanks, same basis, 2c. per gal.
VM&P, tanks, E. Coast, N. J., N. Y., Gp. 3, 1c. per gal. tankwagon, Boston, Newark, N. Y., 1c. per gal.
Octane, 100°C. b.r. Bayonne, tanks, 1c. per gal.
Paraffin, crude, scale, ½c. per lb. Fully refined grades, ½c. per lb.
Solvent, rubber, tanks, E. Coast, N. J., N. Y., Gp. 3, 1c. per gal.
Stoddard, tanks, E. Coast, N. J., N. Y., Gp. 3, 1c. per gal. tankwagon, Boston, Newark, N. Y., 1c. per gal.
Toluol, 2c. per gal.
Xylol, 2c. per gal.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 7, 1952
105.33	104.40	104.49	107.18

(For Current Prices see page 9)

Waxes

Microcrystalline—While the supply situation was said to be fair, the trade outlook was for demand continuing strong, in keeping with the general trend of the past few weeks. Most sources believed the market to be in relatively close balance. Despite the recent rise in the cost of crude oil, the industry anticipated no price changes in the near future.

Paraffin—Supplies remained extremely short, due to cutbacks in lubricating oil production, the industry reported. Crude scale continued for the most part unavailable, with fully refined grades faring slightly better Demand was held to be relatively normal, but the market position was considered to be holding firm, due to inadequate stocks. The July 1 increase of ½c. per pound for all grades was not expected to cause a decrease in demand.

Miscellaneous

Benzonitrile—Commercial sources noted no increase in present market quotations. Production was reportedly hampered by lack of basic toluol stocks. However, manufacturers held that they were able to fill consumer needs from existing reserves.

Crude Oil—The Bureau of Mines reports that April production amounted to 6,446,000 barrels per day. This figure represents a decrease of 85,000 barrels per day compared to the March figure.

Petrolatum—There were some indications that the crude oil price rise would affect the price structure in the near future. Demand was considered to be well sustained, with consumers readily obtaining their requirements.

Petroleum Sulphonate — The recent crude oil price rise was not expected to affect trade. One explanation was that many consumers were now employing sulphonates containing alkylated benzene bases, thus cutting down on material which uses lube stock bases. Due to this substitution, further softening of the market was indicated.

Thiophene—A short supply is reported, but the industry anticipates no change in the present car lot price of $1.99¾ per pound. With low inventory, it is said, customers are in some cases unable to fill their requirements. The shortage is ascribed by refiners to lack of toluene stocks necessary in the production of thiophene.

For Late Market Developments, See Page 4

Brazos, Subsidiary of Dow, Elects Two Board Members

The election of William F. Brown, petroleum geologist of Mt. Pleasant, Mich., and John G. Staudt, executive vice-president of Dowell, Inc., Tulsa, Okla., to the board of directors of Brazos Oil & Gas Company has been announced. At the same time, it was reported that Calvin A. Campbell has retired from the board. Brazos is a subsidiary of Dow Chemical Company, Midland, Mich., engaged in petroleum exploration.

From 1926 to 1928, Mr. Brown was employed as geologist by the Michigan Geological Survey and Crystolite Reduction Company. He was a member of the Pure Oil Company's geological department from 1928 to 1931, and was employed by the Cities Service Company from 1931 to 1932. From then until the present, he has had a consulting business in geology and production of minerals and oil, with operations in Michigan, Indiana, Illinois, Oklahoma and Texas. Mr. Brown is a director and assistant general manager of the Mineral Mining Company, Milwaukee, Wis., and president of the Mountain Oil & Gas Company, Mt. Pleasant, Mich.

Mr. Staudt was employed by Dow in Midland in 1932 to study the use of chemicals in wells to increase oil production. When Dowell was organized the same year, he joined its staff as a salesman, working in Ohio, Texas, and New Mexico before becoming manager of Dowell's operations at Odessa and Midland, Texas. Transferred to headquarters at Tulsa as a research engineer in 1934, he was named assistant general manager in 1935. In 1942 he became Dowell's manager and three years later was promoted to vice-president and general manager. He was named executive vice-president in 1945, and was elected to the board of directors in 1948.

PAD Key Positions Go To Anderson and Frost

Two appointments to key positions in the refining and natural gasoline division of the Petroleum Administration for Defense have been announced by Deputy Petroleum Administrator J. Ed. Warren. Albert L. Anderson has been named chief of the aviation fuels branch, and Harvey N. Frost has been appointed chief of the petroleum products supply branch. Mr. Anderson succeeds Donald P. Heath, and Mr. Frost succeeds James E. Lee.

Mr. Anderson has worked for the Sun Oil Company at Philadelphia since 1938. Since October, 1950, he has been special assistant to the manager of the company's refinery supply and distribution department. Mr. Frost has worked for the Pure Oil Company since 1933 and for a number of years has been chief chemist at the company's Nederland, Tex., refinery.

Clayden Leaves Sun Oil

A. Ludlow Clayden, an authority on fuels and internal combustion engines, has retired after thirty-one years of service with Sun Oil Company, Philadelphia. Mr. Clayden joined Sun as chief automotive engineer and in 1948 became head of the automotive laboratory at the Marcus Hook, Pa., refinery. In February of this year he became technical associate in the chemical research and development department.

Socony-Vacuum Reports Tests On Two Western Canada Wells

Socony-Vacuum Oil Company, New York, has announced successful tests on two indicated oil discoveries, in each of which it has an interest, in western Canada. They are the Buick Creek No. 2 well, in British Columbia, and the Socony-Seaboard Pembina No. 1 well in Alberta.

The Pembina well, located sixty-five miles southwest of Edmonton, in the latest of three tests flowed 310 barrels of 36-gravity oil in fifteen hours through a one-quarter-inch choke, with a gas-oil ratio of 435 to one. The Buick Creek well, located thirty-eight miles north-northwest of Fort St. John, has tested 800 feet of clean, 40-gravity oil along with 400,000 cubic feet of gas. In an earlier test, this well tested gas at a rate of 2.3 million cubic feet a day.

Petroleum Items for France Are Authorized Under MSA

Mutual Security Agency financing will be used for the importation of approximately $1,770,000 worth of petroleum products into France, under Procurement Authorization No. 38-620-00-3122, with a contracting date ending October 31, it has been announced.

Only those products which the French do not produce will be purchased from United States suppliers under this authorization. Eight hundred thousand dollars is to be used to buy lubricants and greases. The Comite Professionnel des Lubrifiantes will make recommendations on which sub-allocations for the imports will be issued by the French government. American suppliers should offer their products to the member importers either directly or through their French sales representatives, it was pointed out.

Approximately $850,000 is to be used for the purchase of paraffin wax from United States suppliers. The balance of the authorization will be used to buy miscellaneous petroleum products. Procurement Authorization No. 64-620-00-3077 has also been granted to French North African countries by MSA for the purchase of $400,000 worth of lubricants to be imported from the United States. Of this amount, $300,000 will be for Algeria and $100,000 for Tunisia. Purchases will be made by commercial importers.

Ind. Standard Announces That Ordeman Will Retire

After nearly thirty-four years' service, Dr. G. F. Ordeman, manager of the Wood River, Ill., refinery of Standard Oil Company (Indiana), will retire on annuity on August 1, it has been announced. H. E. Cotton, general superintendent of Standard's Casper, Wyo., refinery, will succeed Dr. Ordeman as manager at Wood River. L. H. Butterworth, manager of the operations and cost control division of the manufacturing department in the company's general office at Chicago, Ill., will be advanced to general superintendent at Casper. F. C. Smith, superintendent of the operations and cost control division, will be promoted to manager.

Dr. Ordeman joined Standard in 1919 as a chemist at Whiting, Ind. After serving as assistant superintendent of the asphalt and acid department he entered the light oils division where he was successively head of the finishing, crude still, and pressure still departments and superintendent of the light oils division. He was promoted to assistant general superintendent of the Whiting refinery in 1943, and advanced to manager at Wood River in 1946.

Pan American Refining Gets Tax Certificate for Refinery

A certificate of necessity for the construction of an east coast refinery has been issued to Pan American Refining Corporation, New York. The plant site is on the Delaware River near Pedricktown, N. J. Company officials stated, however, that engineering studies of that site and of other possible sites are still in progress. Pending completion of these studies, the company is holding in abeyance its final decision as to the location of its east coast refinery.

Trade Briefs

Sun Oil Company has added a new tanker to its fleet, the S. S. New Jersey Sun.

American Petroleum Institute has appointed Adam J. Rumoshosky associate director of the division of marketing.

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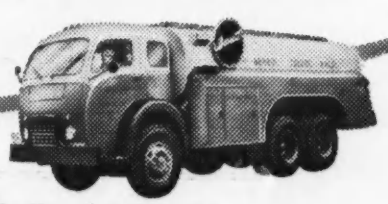

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Coal Chemicals

Contract prices of several intermediates advanced July 1, as previously announced. The two important industrial grades of natural phenol were reduced in a move which brought 90-92 percent material down 1 cent and 82-84 percent material down ½ cent per pound.

Among the intermediate changes technical acetanilide went up 2½ cents on contracts. Acetoacetanilide advanced 2 cents, while acetoacetorthochloroanilide came up 5 cents. Alphanaphthol was up 15 cents, and alphanaphthylamine increased 5 cents. Contract prices of anilin came up 2 cents, while anilin salt was increased 3 cents. Anthraquinone was 3 cents higher. Dianisidin advanced 10 cents. Diethylanilin was up 2 cents. Dimethylanilin was 3½ cents higher.

Dinitrophenol advanced 3 cents. Among the rubber chemicals, diorthotolylguanidin was increased 3 cents, diphenylguanidin was 3½ cents more, mercaptobenzothiazole was increased 3 cents and mercaptobenzothiazyl disulphide was advanced 4½ cents.

Other intermediates increased last week included metanitroparatoluidin, which was up 5 cents; monochlorobenzene, up 1 cent; Neville & Winther's acid, 15 cents; nitrobenzene, 1½ cents; orthodichlorobenzene, 1 cent, and sulphanilic acid, 1 cent. Many of these items were increased in spot quotations earlier, and some moved primarily on a contract basis.

There was not much change in the general picture of the supply and demand relationships of the coal chemicals. The tar acids were pictured a bit better than they were the last few weeks, however, except for natural phenol. Demand for the light oils held high. Toluol and xylol were in tight supply. Benzol still enjoyed a good sales period. Phthalic anhydride was still tight. The naphthalene market was very slow. The pyridin picture was easy.

The American Iron and Steel Institute announced the operating rate for the week ending July 4 was scheduled to be 96.1 percent of theoretical capacity. This was equivalent to 2,166,000 tons of ingots and castings, compared with 2,183,000 tons the previous week, and 2,246,000 tons one month ago.

Market Trends

Advanced

Acetanilide, tech., 2½c. per lb.
Acetoacetanilide, 2c. per lb.
Acetoacetorthochloroanilide, 5c. per lb.
Alphanaphthol, 15c. per lb.
Alphanaphthylamine, 5c. per lb.
Anilin, oil, 2c. per lb.
salt, 3c. per lb.
Anthraquinone, 3c. per lb.
Dianisidin, 10c. per lb.
Diethylanilin, 2c. per lb.
Dimethylanilin, 3½c. per lb.
Dinitrophenol, 3c. per lb.
Diorthotolylguanidin, 3c. per lb.
Diphenylguanidin, 3½c. per lb.
Mercaptobenzothiazole, 3c. per lb.
Mercaptobenzothiazyl disulphide, 4½c. per lb.
Metanitroparatoluidin, 5c. per lb.
Monochlorobenzene, 1c. per lb.
Neville & Winther's Acid, 15c. per lb.
Nitrobenzene, 1½c. per lb.
Orthodichlorobenzene, 1c. per lb.
Sulphanilic acid, 1c. per lb.

Reduced

Phenol, 90-92%, 1c. per lb.
82-84%, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
114.21	114.10	114.14	113.72

(For Current Prices see page 9)

Basic Products

Benzol—Producers reported no significant change in the market for this aromatic. Demand continued to hold up well. Suppliers said that they were moving their output along just about as fast as it was made. Prices held steady.

Cresols — Demand for metaparacresol has been rather good. Some added interest was felt to be present from the new use of tricresyl phosphate as a gasoline additive. However, it was said that tricresyl production normally does require metaparacresol. Producers said that some orthocresol was available. It was added that the ortho did not bother anyone too much because of the small volume produced in comparison to metapara mixed isomers.

Cresylic Acid—Prices were unchanged last week. Producers stated that activity in the tar acids was not too bad. Some sources have reported a little slackening of demand here, but other producers felt that sales were picking up a little, if anything. It was said that there was some added interest for certain grades of acid from the boost in interest for tricresyl phosphate. Not too much buying has been done for the new use, a source said, however members of the trade were keeping an eye on this potential outlet.

There has been no specific change in the picture of the market for imported ADF cresylic acid. One importer stated that stocks held by suppliers here were generally low, which brightened prospects for a firmer market position. Prices remained at the 75c. per gallon level.

Naphthalene—The market for this basic material was not too good producers said. The fact that one large phthalic producer has been kept out of the naphthalene buying market due to a labor strike was hurting. In addition, production capacities of domestic producers have increased a great deal over the past few years adding to the total amount of material that producers cannot move now.

Low prices paid for imported 78-degree crude naphthalene were holding shakily to the 3¼c. level. A trade source said that some shading of prices were noticed for September or October business.

Phenol—The differential between natural and synthetic phenol was increased, producers announced last week. The 90-92 percent grade came down 1c. to 16c. per pound in tankcars, 17¾c, per pound in carlots, and 18½c. per pound in less than carlots, the drum prices being for non-returnable drums.

The 82-84 percent material was reduced ½c., also to 16c. in tankcars. Non-returnable drums were at the same schedule as the 90-92 percent grade. Returnable drum prices became 17c. per pound in carlots and 17½c. per pound in less than carlots for both grades.

Producers said that demand for natural phenol was not too bad. Suppliers have not been selling all of their production lately, which was the result of a slightly easy market situation. It was said that a larger spread between natural and synthetic phenol might induce more sales of natural than suppliers have been enjoying in recent months. Producers of synthetic material said that demand remained fairly steady, but it was not as good as it had been at the start of the year. Prices of synthetic material and 39-degree natural phenol were unchanged.

Toluol—The market position of this light oil continued to be very tight. Producers were sending most of their production into defense purposes to fill government requirements. Industrial consumers found it next to impossible to get all of the toluol that they wanted for their own output.

Nothing has come to head in the price situation of the toluol market. The announced changes for petroleum material affected July 1 have brought some speculation as to whether coaltar material will not also increase. Prices were not advanced for this material when controls were lifted, which makes the possibilty of an increase now more probable than a change in benzol schedules, which are higher now than during the control period. However, some producers were not particularly anxious to increase toluol prices now.

Xylol—The market was very tight. Prices remained steady last week. Some sources felt that the price picture might be altered in the near future. Increases in schedules for petroleum material have started some speculation in that direction. Coaltar xylol has kept to the same price level that it held during the price control period.

Production Estimate

Estimated output of coal chemicals recovered from cokeoven operations during the week ending July 4, was as follows:—

Ammonia liquid, NH_3	lbs.	1,012,905
Ammonium sulphate	lbs.	36,609,277
Benzol	gals.	3,501,757
Coaltar	gals.	16,061,778
Creosote oil	gals.	897,144
Naphthalene, crude	lbs.	2,474,382
Pyridin, refined	lbs.	26,046
Toluol	gals.	688,775
Xylol	gals.	183,770

Intermediates

Acetanilide—Producers raised this intermediates' schedule 2½c. per pound according to previous announcements. The new carlot price became 29c. per pound,

For Late Market Developments, See Page 4

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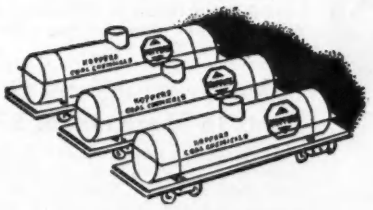

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while less than carlots were at 30c. per pound.

Acetoacetanilide—An advance of 2c. became effective last week. Current quotations were at 75c. per pound in carlots, and 76c. per pound in less than carlots.

Acetoacetorthochloroanilide — A price increase of 5c. per pound effective July 1 brought schedules for this intermediate up to $1.27 in carlots, and $1.28 per pound in less than carlots.

Alphanaphthol—The price of this material came up 15c. per pound. Current quotations were at $1 per pound in barrels, on a freight allowed basis.

Alphanaphthylamine — An increase of 5c. per pound was reported for this amine. Producers were currently quoting the material at 50c. per pound in barrels, on a freight allowed basis.

Anilin — Contract prices advanced 2c. to the 20c. tankcar price announced earlier. Carlot quotations were at 21c. per pound, and less than carlot prices were at 22c. per pound.

Anilin salt prices were advanced 3c. per pound at the same time. Current schedules called for 33c. per pound for the salt.

Anthraquinone—Previously announced changes went into effect last week bring the price up 3c. Current schedules called for 88c. per pound in carlots, and 91c. per pound in less than carlots.

Dianisidin—Producers increased schedules of this intermediate 10c. making quotations $2 per pound, effective July 1.

Diethylanilin—Current quotations were up 2c. per pound over previous levels. Producers made the formerly announced increase effective July 1 bringing the schedule up to 50c. per pound in tankcars, 51c. per pound in carlots. A range of 52c. to 53c. per pound was effected in the less than carlot price, since one source's schedules were already at 53c. per pound.

Dimethylanilin—An advance of 3½c. per pound became effectiv last week. Current quotations were at 28½c. per pound in tankcars, 29½c. per pound in carlots, and 30½c. per pound in less than carlots.

Dinitrophenol—This material advanced 3c. in price effective July 1. Current quotations were at 37c. per pound in barrels.

Diorthotolylguanidin — An increase of 3c. per pound became effective July 1. Quotations were currently at 57c. per pound, in drums, for ton lots, while smaller lots were at 58c., both on a delivered basis. Other producers advanced a few rubber chemicals earlier in June.

Diphenylguanidin — Producers brought the price of this rubber accelerator up 3½c. per pound along with increases in other rubber chemicals. Current schedules were at 48c. per pound in ton lots, and ranged from 49c. to 50c. per pound for less than ton lots according to producer.

Mercaptobenzothiazole—Price schedules of this rubber accelerator advanced 3c. last week, as the last producer to increase rubber chemical prices moved July 1. Quotations were at 38c. per pound for fiber drums in ton lots, and 40c. per pound for less than ton lots.

Mercaptobenzothiazyl disulphide prices also were advanced, the general increase in this instance being 4½c. Current schedules were at 48c. per pound in ton lots, and 50c. per pound in less than ton lots.

Producers reported that demand for rubber chemicals remained good. It was said that this market was expected to keep up to a good level of activity as long as the rubber business remains at the pace it has held during this year so far.

Metanitroparatoluidin—Prices were advanced 5c. effective July 1. Current schedules were quoted at $1.59 per pound in barrels.

Metatolylenediamine—The overall range ir prices of this intermediate was unchanged. Crystals were still being quoted at 94c. per pound. One source announced that it increased schedules on the powder from 96c. to $1.00 per pound July 1. However, other producers were already quoting the $1.00 figure so there was no change in the overall spread of prices.

Monochlorobenzene—An advance of 1c. became effective for contract schedules July 1. Some sources had already put spot prices up earlier, however the range between the two prices was eliminated. Current quotations were at a straight 10c. per pound in tankcars, 11½c. per pound in carlots, and 12½c. per pound in less than carlots.

Producers reported that demand was not particularly heavy for mono. Some material was available for immediate shipment. Demand for DDT was not especially good yet.

Neville & Winther's Acid — Previous price announcements came into effect last week bringing schedules of this acid up 15c. Producers were currently quoting

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Nitrobenzene—Price schedules of this double distilled material were advanced 1½c. last week as the last producers to increase schedules moved. Present prices quoted by various sources were at 11c. per pound in tankcars, 12c. per pound in carlots, and 13c. per pound in less than carlots.

Orthodichlorobenzene—A previously announced price advance of 1c. per pound became effective on contract sales last week. Current prices were quoted at 10¾c. in tankcars, 12¼c. in carlots, and 13¼c. in l. c. l. quantities. Prices are per pound. Spot quotations were advanced at the time of the announcement.

One source reported that demand for ortho was very good.

Sulphanilic Acid—Schedules were increased 1c. per pound. Suppliers' current schedules listed the carload drum price as 19c. per pound, and the l. c. l. price as 21c per pound.

Polymeric Item Offered By Gen'l Aniline & Film

A new polymeric material is being offered by General Aniline & Film Corporation, New York. It is the ammonium salt of the half amide of methyl vinyl ether-maleic anhydride copolymer. The availability in carload lots of this high pressure acetylene derivative has been announced by Dr. Jesse Werner, director of commercial development.

The material which is a neutral, water-soluble, hydrophilic colloid, is available as a white amorphous powder. Its viscous and adhesive properties suggest its use in sealing formulations and coatings of all types. The product can also be cross-linked with formaldehyde to form insoluble compounds. Technical information, price schedules and samples may be obtained from General Aniline's commercial development department, 435 Hudson street, New York 14.

Calco New England Dye Posts to MacKenzie, Wood

J. Pfister, manager dyestuff department, American Cyanamid Company, Calco Chemical Division, Bound Brook, N. J., has announced the appointment of Cameron Mackenzie as branch manager, dyestuff department, of the Boston district office and Robert P. Wood as branch manager of the Providence, R. I., district office.

Mr. Mackenzie joined Calco's dyestuff sales department in 1946. Mr. Wood, prior to joining the Calco New England sales organization in 1938, was associated with various textile firms as a colorist.

Troy Names Canadian Agent

Troy Chemical Company, New York, has appointed Pigment & Chemical Company, Ltd., as its representatives in Canada with the exception of the city of Windsor. Pigment & Chemical maintains its head office at the Canada Cement Building, Montreal, and has branch offices in Vancouver, B.C.; Winnipeg and Toronto.

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Textile and Leather Chemicals

There was a noticeable slackening in demand for textile and leather chemicals last week, mainly due to the vacation shutdowns during the first half of July.

Lower ocean freight rates which recently reduced the price of wattle extract, also affected the bark and shipments were cut $3 per ton for fair average and $2 for merchantable. Valonia continued weak and cups declined $1 per ton and beards, $3. Javanese tapioca flour was easier, declining fractionally for spot and later delivery. However, Brazilian tapioca flour continued strong and scarce. Offers for shipment were practically nil and the market for shipment was a nominal affair. Recent limited offerings were readily absorbed and resumption of selling interest is not expected until later in the month. Domestic potato starch was quiet and steady at the recent decline, while imported starch was unsettled and light sales were reported at concessions. Other sizing materials were maintained at former levels. Corn dextrin and starch were in fair request for immediate needs. Sago flour for spot delivery was quotably unchanged, while replacements from primary sources were slightly lower.

Shoe production during the first half of 1953 will reach 266,000,000 pairs, according to estimates of the Tanners Council, or about 5.5 percent higher than in the same period last year and the second biggest total on record for the first six months. If the same pace is maintained during the second half, more than 513,000,000 pairs will be turned out this year. In 1952, output amounted to 508,500,000 pairs. The record production took place in 1946, totaling 528,900,000 pairs.

Yarn spun on the woolen and worsted systems in April averaged 14,000,000 pounds weekly, 2,000,000 pounds more than April last year according to the Census Bureau. There was a slight drop from the March average of 14,400,000 pounds, but all branches of production were unchanged or above April, 1952. Yarn production other than carpet quality totaled 10,060,000 pounds, 12 percent higher than April last year, while carpet yarns increased to 3,400,000 pounds, against 2,500,000 pounds a year ago.

Market Trends

Advanced

None

Reduced

Tapioca flour, Java, ¼c. per lb.
Valonia beards, $3 per ton
cups $1 per ton
Wattle bark, fair average $3 per ton
merchantable. $2 per ton

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
99.99	100.76	101.15	105.94

(For Current Prices see page 9)

Chemicals

Bichromates—The usual pre-holiday slackening in demand was noted for delivery against former contracts. Spot demand also was slow. Market remained firm at unchanged quotations. Potassium bichromate was quoted at 15c. per pound, bags, carlots, works, and 15½c. to 16¾c. for smaller quantities; sodium bichromate, 11½c. drums, carlots, and 12c. to 13¼c. for lesser lots and sodium chromate, 13¼c., carlots, and 13¾c. to 15c. for smaller quantities. The above prices became effective July 1 on contracts.

Sodium Acetate—This market was inactive, Prices however, were well held at former levels.

Sodium Hydrosulphite—Trading was confined to small lots for immediate delivery, the market reflecting vacation shut downs during July. Prices were maintained at current levels.

Sulphonated Oils—There was little doing in this market. Demand continued slow. Quotations were without change. Sulphonated tallow was steadier with the increased cost of tallow.

Sizing Materials

Blood Albumin—Deliveries against former orders absorbed the major portion of the current production. Market was steady and quotably unchanged. Drums were held at 65c. per pound and smaller lots ranged up to 80c. per pound as to quantity.

Corn Dextrin—Vacation shutdowns has affected demand to some extent. All grades were well held at prevailing quotations. Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.69; dark, $8.79, and white, $8.53, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—This market remained steady, despite the usual let down in demand due to vacation shutdowns. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, and powder $7.26, same basis. Less carlots were 15c. per 100 pounds higher.

Egg Albumen—Small lots were moved in good volume for immediate requirements. Market was unchanged and steady. Flake was quoted at $2.50 to $2.52 per pound and powder at $2.54 to $2.56 per pound, as to quantity. Technical was unchanged at $1.05 to $1.97 per pound, spit, according to quantity.

Egg Yolk—Consuming demand was confined to small lots for immediate needs. Prices were well held at $1.15 to $1.17 per pound, as to quantity.

Potato Starch—Buying interest was limited as is usual at the start of the vacation period. Trading was restricted to actual needs. Domestic starch was steady at the recent decline and available at 7c. per pound, carlots, f.o.b. Maine. Imported starch continued nominal at 7¼c. per pound, exdock, duty paid for prompt shipment. Stocks on spot was unchanged, ranging from 8¾c. to 9½c. per pound, exwarehouse, depending upon quantity.

Sago Flour—Demand was confined to small lots for immediate needs. Quotations were without change and steady. Raw was quoted at 7¾c. to 8c. per pound, and refined, 9c. to 9½c. per pound, exwarehouse, according to quantity. Prompt shipments were held at 7c. per pound, carlots exdock.

Tapioca Flour—This market continued firm, reflecting the high cost of replacements and limited stocks on the spot. Prices were maintained at 14c. to 17c. per pound, exwarehouse, according to quantity and seller. Shipments from Brazil were offered sparingly and nominal at 13c. per pound, carlots, exdock. Trading in Java flour was light and spotty. Prices continued easy. Triple A was lower at 9c. to 9¼c. per pound, and double A, 8½c. to 9c. per pound, exwarehouse, depending upon quantity .

Tanning Materials

Chestnut Extract—Light and spotty demand was reported for immediate needs. Prices were well held at former levels. Liquid extract, 25 percent tannin, was quoted 4.40c. per pound, tankcars; 5.3c. per pound, barrels, carlots and 5.65c. barrels, less carlots, f.o.b. works. Powdered extract, 60 percent, tannin, 11.28c. per pound, bags, carlots and 12c. for smaller quantities, f.o.b. works.

Divi Divi — Trading continued slow. Prices were without change. Forty-five percent tannin was quoted at $70 to $72 per ton, exdock and 48 percent, $75.50 per ton, same basis.

Cutch—Business was quiet, due to scarcity of offers for shipment. Market was firm at 8¼c. per pound, exdock, plus duty.

Mangrove Bark—Offers for shipment were fairly liberal. Buying interest was slow and firm bids could have shaded quotations about $1 per ton. East African was offered at $77 to $78 per ton, exdock; Colombian, $59 per ton, and Ecuadorian, $57.50 per ton, same basis.

Myrobalans—Tanners showed little interest in replacements. Shipments were without change and nominal. JI's were quoted at $45 per ton, exdock; assorted at $48 per ton, and crushed, $65 to $66 per ton, same basis. Indian extract was offered at 7¼c. per pound, exdock, plus duty.

Quebracho Extract — Inquiry for replacements were reported slow. Market however, was unchanged and steady at current prices. Solid ordinary was quoted 11 31/64. per pound, carlots, exdock, and clarified 12 3/16c. same basis, plus duty.

Valonia—Buying interest was lacking and quotations were lower. Beards declined $3 per ton and cups $1. Beards were quoted at $81 per ton and cups, $61 per ton, exdock. Extract was unchanged at 9¾c. per pound, exdock, plus duty.

Wattle—Cheaper ocean freight rates resulted in lower prices for bark. Fair average was reduced $3 to $100 per ton, exdock and merchantable $2 to $98, same basis. Extract was cut the week previous. South African, 60 percent tannin minimum, was unchanged at 10.15c. per pound, exdock, plus duty and East African, 10c., same basis.

For Late Market Developments, See Page 4

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Drugs and Fine Chemicals

The less than carload drum price on lauryl chloride was advanced 3 cents per pound by one producer last week. Perchloroethylene drum carload prices were upped ½ cent per pound. Vinyl acetate was reduced 1½ cents per pound.

The latest statistics on glycerin production and stocks were released last week. Stocks at the end of May had risen 5.5 percent over the April figure. The increase was in the refined grades. Crude glycerin stocks actually declined slightly. Imports of crude continued to be landed in good volume and the prospects were for a continued firm position in glycerin for the balance of the quarter, according to some sources in the trade. The loss of at least half a month's production due to the vacation shutdown will probably cause a decline in stocks during July, it was said.

The producer of Chilean crude iodine reported that business had improved noticeably since the recent severe reduction in price. Japanese producers of crude iodine have not decided, as yet, whether they will meet the price cut, trade sources report. Labor costs in postwar Japan are higher as a result of inflation and are considerably more a factor in determining production costs than before the war.

Demand for lacquer solvents was generally reported to be running at fair to good levels, depending upon the solvent in question. The ketones, methylisobutylketone and methylethylketone, were said to be in good demand and moving well. Prices in the solvent field were firm, on the whole, and were generally expected to continue without change for the immediate future, barring any large excess in production. Additional capacity for production of synthetic butanol has been available and the first price break in lacquer solvents might logically come in butyl alcohol. Alcohol prices were firm. With all of this year's Cuban molasses crop virtually accounted for, alcohol producers were expected to maintain prices at the current level for the immediate future.

Antibiotic producers reported that demand was moving at steady levels. Peak consumption of these compounds generally is highest in the cold weather months. Prices were firm and were expected to continue steady in the immediate future. There is currently enough antibiotic production capacity in this country to meet any reasonable increase in consumption, it was said.

Acetanilide—Demand for USP acetanilide was reported to be moving steady. Overall consumption of this grade is limited mostly to pharmaceutical manufacture where it goes into certain analgesic formulations. The price remained unchanged, despite the recent boost in the technical grade.

Production of USP and technical acetanilide in April totaled 542,842 pounds according to the Tariff Commission. This was a significant increase over the 486,305 pounds reported for March.

Acetone—Demand for acetone was reportedly at good levels. Some producers report that they have been moving all they make while in other instances, this was not true. Suppliers were ample for current consumption. Prices remain firm at 8½c. per pound in tankcars. There were some reports of lower prices quoted on government contracts and there was some feeling that acetone prices might work lower as a result of additional production via the phenol-cumene process. If acetone prices do decline as a result of an oversupply, a squeeze on fermentation makers was thought likely. The manufacture of acetone through the fermentation process, at last estimates, accounted for approximately 4 percent of the country's production. With raw materials costs on the rise, many trade observers thought that the flood of synthetic acetone which is in the offing may create such an excess in supply that prices will decline.

Alcohol—Demand for ethyl alcohol was reportedly running at good levels. Prices were firm and expected to continue unchanged for the immediate future. Production figures released last week by the Treasury Department indicated that ethyl alcohol production in May ran only slightly below that during April this year. Compared to production in May, 1952, this year's figure exceeded that by over 17,000,000 gallons. Tax paid alcohol withdrawals were about the same in May but tax free alcohol withdrawn for government use was up 300 percent over that in April. Overall alcohol stocks at the end of May were some 4,000,000 gallons higher than at the end of April.

The Alcohol and Tobacco Tax Division of the Bureau of Internal Revenue, Treasury Department, on July 3, released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of May, 1953, in comparison with May, 1952.

Market Trends

Advanced

Perchloroethylene, dm. carloads, ½c. per lb.

Reduced

Vinyl acetate, 1½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
89.30	89.30	89.37	96.35

(For Current Prices see page 9)

Production

	Gallons	
	1953	1952
†Ethyl	43,393,631	26,062,133
*Completely denatured	39,201	22,263
*Specially denatured	19,161,808	16,459,163

Withdrawals

†Ethyl, tax paid	2,030,230	1,394,984
tax free	40,047,350	40,479,338
*Completely denatured	34,687	21,211
Specially denatured	21,809,842	19,952,303

Stocks

†Ethyl	78,580,691	82,344,081
*Completely denatured	30,592	43,512
*Specially denatured	8,824,402	8,510,989

*Wine gallons. †Proof gallons.

According to the Alcohol and Tobacco Tax division, materials used in industrial alcohol plants in May, 1953, and May, 1952, were as follows:—

	Pounds	
	1953	1952
Corn and corn products	72,850	28,583,184
Rye and rye products	.....	.....
Malt and malt products	165,600	4,138,911
Wheat and wheat products	2,418,421	2,408,030
Sorghum grain and sorghum grain products	.....	17,120,777
Other grain	.....	29,300
Total grain	2,656,871	52,280,202
Ethylene gas	9,594,914	71,400
Other materials	182,000	247,538

	Wine gallons	
	1953	1952
Molasses	19,519,383	9,511,803
Ethyl sulphate	16,945,050	11,222,876
Sulphite liquors	22,060,500	24,265,700
Other materials	2,770,239	3,019,642
†Products used in redistillation	948,928	1,174,320

†Proof gallons.

Amyl Acetate—Demand for amyl acetate was reported to be moving at fair to good levels. Supplies were ample for current inquiry and prices were unchanged. Most trade sources do not foresee any price change in this tiem during the third quarter.

The Tariff Commission reports that production of amyl acetates (includes normal amyl, isoamyl and "all other" amyl acetates). In April totaled 686,413 pounds compared to 636,477 pounds in March this year.

Antibiotics—Demand for penicillin and streptomycin continued steady. Producers expect overall consumption to remain about unchanged during the coming Summer months. Consumption of antibiotics by the ultimate consumer is generally highest during the fall and winter months when the incidence of sickness is increased.

Antibiotic prices remain unchanged. There is reportedly enough productive capacity in this country to enable producers to keep up with any reasonable increase in consumption. Furthermore, the day may not be too far distant when synthetic manufacture of penicillin can be accomplished. According to a recent report, each of the synthesis problems posed by the structure of natural penicillin has now been solved individually. While a total synthesis of biologically active penicillin has not yet been attained, the feat has been accomplished in theory.

Total production in antibiotics in 1952 aggregated 1,500,000 pounds according to the United States Tariff Commission. This was an increase of 201,000 pounds over 1951. Sales in 1952 totaled 1,300,000 pounds with a valuation of $267,000,000 compared with 1,100,000 pounds valued at $317,000,0000 in 1951. Production of penicillin salts in 1952 totaled 671,000 pounds compared with 625,000 pounds in 1951.

The combined output of other medicinal antibiotics, such as aureomycin, chloroamphenicol, and terramycin, totaled

For Late Market Developments, See Page 4

425,000 pounds in 1952. Sales of these products amounted to 391,000 pounds valued at $145,000,000.

Butyl Alcohol—Demand for butyl alcohol was said to be at fair levels, on the whole. With additional synthetic production recently becoming available, there may be some price cutting in sight later this year, according to some trade sources. Prices for the balance of the third quarter, however, were not expected to show any change although a great deal depends upon consumption levels.

The Tariff Commission recently reported that production of normal butyl alcohol totaled 15,863,739 pounds in April compared to the 13,379,560 pounds turned out during March.

Caffeine—Sales of domestic caffeine were said to be moving in good volume. Although there has been considerable pressure put on domestic manufacturers due to offerings of low priced imported caffeine in the market, they have apparently been able to counter it to a great degree because of what are claimed to be superior odor and color characteristics of the domestic material. Prices remained unchanged and supplies ample for current needs.

Castor Oil—Arrivals of beans at Philadelphia and New York ports last week amounted to 1,836,600 pounds, as compared with 1,494,300 the previous week, and 1,507,500 pounds during the corresponding week of last year. Imports of castor oil at these ports last week 1,507,500 were nil as against the 1,688,000 pounds brought in during the previous week, and the 447,200 pounds landed during the corresponding week of 1952.

Total imports of beans so far this year at Philadelphia and New York amounted to 61,831,050 pounds, compared with 81,021,650 pounds during the corresponding period in 1952. Total oil imports at these ports so far this year amounted to 63,299,900 pounds, as against the 42,568,800 pounds brought in during the same period last year.

Fusel Oil—Demand for refined fusel oil was said to be fair, on the whole. Supplies were ample for current requirements and expected to continue adequate for future needs.

Glycerin—A 5.5 percent rise in glycerin stocks at the end of May was shown in preliminary Department of Commerce stocks recently issued. The total at the end of May was 53,300,000 pounds compared to 50,500,000 pounds at the end of April. Domestic production of crude (including synthetic) increased 5.4 percent over the April level to 19,800,000 pounds. This was substantially ahead of the crude glycerin production in May, 1952. The conclusion reached in some sectors of the trade was that glycerin supplies would most likely continue adequate during the Summer months despite the imminent vacation shutdown of soap plants during part of this month. Although demand continues at good levels, overall glycerin disappearance appears to have declined somewhat in recent months. Glycerin consumption during the third quarter generally follows a seasonal decline. Demand for glycerin from pharmaceutical manufacturers has reportedly shown some seasonal slackening. Other consuming sources, however, have kept the demand rate about at unchanged levels.

Factory production of high gravity and yellow distilled glycerin declined 5.2 percent from that during April, aggregating 6,993,000 pounds. Production of chemically pure glycerin totaled 14,331,000 pounds in May, an increase of 7.9 percent over April.

Factory and warehouse stocks at the end of May consisted of 13,300,000 pounds of crude, a decrease of 1.5 percent from April; 15,912,000 pounds of high gravity and yellow distilled, an increase of 1.6 percent from the preceding month and 24,049,000 pounds of chemically pure glycerin, an increase of 12.8 percent over April. Stocks of the latter showed the largest increase, according to the department's report.

Iodine—There were no price changes last week in iodine salts despite the recently slashed prices on crude iodine. It was conjectural as to when iodine salt prices would reflect the drop in crude iodine costs. It was felt in the trade that most consumers of crude iodine will probably have to work off their inventories of higher priced crude before lowering salt prices. Iodine salt prices were only recently advanced, and some trade sources held the opinion that prices would not be too quick to come down. Iodine manufacturers were unable to increase their prices during the period of price freeze, despite increased raw material costs.

There was no word as to whether Japanese crude iodine producers would come down to the price level set for the domes-

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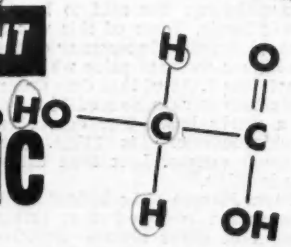

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tic and the Chilean crude. It was considered doubtful by some trade sources that the current $1.30 price would be met. Labor costs in Japan, once trifling compared to American standards, have increased in post-war Japan, both as a result of inflation and increased power wielded by labor unions there.

Demand for Chilean crude has shown marked improvement since the price cut. Chilean crude iodine was reportedly favored in some manufacturing processes.

Lauryl chloride—The less than carlot price on lauryl chloride was upped 3c. per pound last week by one producer. Drum carload prices were not affected. The price range on lauryl chloride was currently from 72c. to 75c. per pound.

Milk Powder—While sentiment improved in some quarters, there was very little improvement in trading in nonfat dry milk solids. Reports indicated some decline in production, but offerings continued heavy in the commercial market while offerings to the Credit Commodity Corporation were slightly heavier on spray process but sharply lower on roller process. The undertone was unsettled.

Purchases by the CCC during the week ended June 24, totaled 14,583,116 pounds of spray dried powder and 4,363,008 pounds of roller material. Current prices on spray powder ranged from 14c. to 16c. with roller dried skimmed milk at 9½c. to 14c. per pound.

May production of total nonfat dry milk solids was the highest for any month in 18 years of record, the Bureau of Agricultural Economics reported. Manufacturers' stocks at the end of May were the highest for the date in 18 years of record.

Total nonfat dry milk solids production during May was 148,400,000 pounds, a gain of 23 percent from a year earlier and 40 percent from the 5-year average for the month. Cumulative production for the first 5 months of 1953 totaled 540,300,000 pounds, a gain of 48 percent from the same period in 1952. Spray-dried nonfat milk solids for May were 109,000,000 pounds, the highest for any month in 10 years of record, a gain of 24 percent from a year earlier and 61 percent from the May, 1947-51 average. During the first 5 months of the year, output totaled 420,200,000 pounds, a gain of 51 percent from the same months in 1952. Roller-dried nonfat milk solids production was 39,400,000 pounds for May, the highest for the month since 1950, a gain of 21 percent from a year earlier and 4 percent from the 5-year average. Totaling 120,100,000 pounds, production for the first 5 months of 1953 was 39 percent higher than that of the same period in 1952.

Perchloroethylene — Demand for perchloroethylene was said to be moving at strong levels. Some of this was regarded as an outgrowth of consumer desire to beat the higher contract price which went into effect July 1. As of that date drum carload quotations were advanced ½c. per pound on a works basis. The current price on perchloroethylene is 11½c. per pound in drum carlots. Less than carlot quotation is 13½c.

Silver Nitrate—The United States Tariff Commission reported that primary production of silver nitrate ($AgNO_3$) during April this year totaled 5,540,000 ounces compared to the 5,521,000 ounces turned out in March and the 5,304,000 ounces produced during April last year.

Sodium Benzoate—Demand for sodium benzoate was said to be moving at strong, seasonal levels. Substantial amounts of this salt were reportedly consumed in the food industry in food preservation and beverage manufacture. Supplies were about in balance with demand and prices remained without change.

Vinyl Acetate—The price schedule on vinyl acetate was reduced 1½c. per pound last week. The current schedule, on a delivered basis, was as follows:—Tankcars, 15½c; drum carloads, 17½c. and less carloads, 18½c.

Vitamin A—There were conflicting observations made on the current state of the natural vitamin A market. Some sources reported demand to be currently in excess of supply. With shark fishing no longer profitable to fishermen, domestic producers of natural vitamin A must rely on the catch of food fish such as halibut. The overall supply of fish livers was reported in some quarters as being limited with the result that natural A supplies were short. Next month was expected to herald the start of the fishing season and the supply of natural A should increase. Countering this observation on the current state of the market was a report that supplies of natural A concentrates were ample while demand was steady.

Synthetic vitamin A continues to cut into natural A outlets with some estimates placing consumption at 20 percent natural A and 80 percent synthetic. Producers of the synthetic material report that consumption has been going at high levels, particularly in the margarine field, the manufacture of which has been steadily increasing. Synthetic vitamin A use in multivitamin preparations has been steadily on the increase especially with the development of newer, more stable vitamin formulations.

Current quotations on crude fishliver oil, for feeds or concentrating ranged from 8 to 9c. per 1,000,000 units in concentrations from 4,000 to 12,000 A units per gram with concentrations from 10,000 to 20,000 A units and 25,000 to 35,000 A units per gram listed from 9 to 10c. per 1,000,000 units. From 40,000 to 55,000 A units per gram potency was quoted from 10½ to 11c. per 1,000,000 units. The higher potencies such as 100,000 and 200,000 units per gram were quoted from 12 to 14c. per 1,000,000 A units. The lower end of the range represented offerings of imported oils. Crude fishliver oils of higher potencies were quoted from 12 to 14½c. per 1,000,000 units.

Parke, Davis Post to Griffith

Walter L. Griffith has been appointed to a new post as manager of the promotion department at Parke, Davis & Company, Detroit, Mich., was announced here today. Mr. Griffith will be responsible for promotional material sent to pharmacists and personnel in hospitals. He also will prepare sales aids for use by the firm's field staff.

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'Hard' Selling, Economizing Regarded Vital for Profits

A return to "hard selling and hard economizing" is essential if business is to operate profitably under conditions in today's market, according to James Hill, jr., chairman and president of Sterling Drug, Inc., New York. Speaking at Sterling's seventh annual combined meeting of standing committees at The Homestead, Hot Springs, Va., Mr. Hill said:—

"Due to its relative stability, the drug industry will experience less sales decline than other segments of our economy, if national income drops, just as it has been less of a beneficiary from inflationary pressures.

"But with the break-even point in doing business climbing higher, the drug field must recognize that better selling methods and more operating economies today are an increasingly important factor in determining a company's profit statement."

Nothing that economies can be effected in many places, Mr. Hill directed attention to the important role played by the purchasing department in reducing inventories. He told the group of 125 executives, representing Sterling's domestic and foreign subsidiaries and divisions, that efficient purchasing of raw materials, equipment and supplies in 1952 had contributed to a 10.1 percent reduction of inventory in its world-wide manufacturing operations.

Arner Appoints Aschenbach

Dr. Niels S. Klendshoj, president of the Arner Company, Buffalo, N. Y., has announced the appointment of Robert Aschenbach as controller of the company. Mr. Aschenbach joined Arner as chief accountant in March, 1952. He was previously accountant for Spencer Kellogg & Sons, Inc., Buffalo, for five years.

Freeze-Drying Brochure Revised

F. J. Stokes Machine Company, Philadelphia, has brought out a revised edition of its sixteen-page brochure, "Laboratory Freeze-Drying." The new booklet, catalog No. 740, describes the Stokes range of equipment intended primarily for the use of research laboratories in industry and institutions. Included are units for drying on manifolds or in heated chambers, and using either "Cryochem" regenerative chemical dessicant, or dry ice or "Freon" condensation. Copies may be obtained on request to Stokes, 5500 Tabor road, Philadelphia 20.

Monsanto Canada Export Sales Position to Aikman

The appointment of Stuart P. Aikman as export sales supervisor for the newly-created export sales department of Monsanto Canada, Ltd., has been announced by Douglas D. Stokes, general sales manager of the company. Mr. Aikman joined the technical sales staff of Monsanto Canada in 1949, and has held a number of positions in textile chemicals and plastics sales.

Taking over Mr. Aikman's duties in plastics sales will be John C. Bonnett, a member of the sales staff of Monsanto since 1949. Other Monsanto changes announced:—John A. Lawrence, to handle textile, paper, chemical and pharmaceutical sales, assisted in Quebec by Kevin McCabe, and in Ontario by David E. Laurin.

Scientific Apparatus Group Elects Edward Albert Pres.

Edward J. Albert, president of the Thwing-Albert Instrument Company, Philadelphia, has been elected president of the Scientific Apparatus Makers Association. Mr. Albert succeeds J. Claire Evans, chairman of the board, Denver Fire Clay Company, who served as president of the apparatus makers for two terms.

L. B. Swift, chairman of the board, Taylor Instrument Companies, Rochester, N. Y., was elected president pro-tempore of SAMA and T. M. Mints, president, E. H. Sargent & Companies, Chicago, was reelected treasurer of the group.

Officers and board members are elected for a one year term expiring at the annual SAMA meeting in May, 1954.

LaPine & Co. Issue Lab Equip. Data

Arthur S. Lapine & Co., 6001 South Knox avenue, Chicago 29, has issued the "Lanco Review No. 4," a catalog detailing some of the firm's new laboratory supply and equipment offerings.

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FDA Won Eighteen Drug Violation Cases During May

The Food and Drug Administration has reported successful prosecution of eighteen cases for illegal sales of prescription drugs during the month of May. There were also sixteen convictions for other violations of the act, mostly in the foods field.

In one of the drug cases, both the owner of a Spooner, Wis., drug store and the physician who sold prescriptions for patients he had never seen, pleaded guilty to the government's charges of conspiracy to violate the federal food, drug and cosmetic act.

The physician, who also pleaded guilty to charges of aiding and abetting the sales, had in several instances furnished the pharmacist who signed blank prescriptions and in other instances had signed the prescriptions after the patient had received barbiturates and sulphonamides.

Another FDA drug case was brought to the federal court for shipment of three "nutritional" items promoted for a long list of serious diseases, including diabetes, brucellosis, tularemia, Malta fever, arthritis, high blood pressure, and polio. The products involved were soya lecithin, dicalcium phosphate, and nutrient tablets containing a number of trace elements. The Cleveland, Ohio, promoter, who has not had a formal education in medical science, was an advocate of "The Nutritional Approach to the Prevention of Disease."

One hundred and five shipments of products alleged to be in violation of the federal food, drug, and cosmetic act were seized during the month, FDA reported. Danger to health was charged in two of the food seizures—a carload of wheat containing mercury-treated seed wheat mixed with good wheat, and frozen clams containing shellfish toxin. Fifty of the food shipments, aggregating 513,260 pounds, were seized because of filth or decomposition. Thirty-four other lots of food were seized for short-weight or labeling that would deceive the purchaser about the quality of the contents.

Parke, Davis Appoints New Mgr. of Puerto Rico Branch

Parke, Davis & Co., Detroit, Mich., has announced the appointment of Pedro Guernica as manager for the Puerto Rico branch. The company has also revealed that Earl A. Kimzey, a veteran of forty-one years of service with the company and manager of the New Orleans, La., branch for the last seven, has retired.

Mr. Guernica succeeds M. F. Stevenson, who will return to Detroit to undergo special training for another assignment in Latin America for the company. The branch office, located in San Juan, is responsible for sales in Puerto Rico, Dominican Republic, Haiti and the Virgin Islands. Mr. Guernica joined Parke, Davis in November, 1952, and until February, 1953, served with the company's Havana, Cuba, branch. During the past six months, he has undergone training in Detroit with the overseas division.

Mr. Kimzey joined Parke, Davis in 1913 as a salesman in the Mississippi delta area and, four years later, was shifted to Nashville, Tenn., where he was in charge of sales for that region. In 1921, he was made field manager for the Chicago branch and, during the next five years, held similar posts for the New Orleans and St. Louis, Mo., branch offices. Mr. Kimzey was promoted to assistant manager of the New Orleans branch in 1926 and, two years later, was named manager—a post he held seven years. In 1935, he was transferred to Chicago as branch manager. Eleven years later, he returned to New Orleans as manager, the post he held until his retirement.

Monsanto Adds Lightfoot

Charles L. Lightfoot, jr., has become a member of the pharmaceuticals sales department of Monsanto Chemical Company's organic chemicals division, St. Louis, Mo. Mr. Lightfoot will assist Gerald F. Pauley, department manager, in the sale of Monsanto pharmaceuticals. He was chief engineer for Syntex, S. A., of Mexico, prior to joining Monsanto.

Becton, Dickinson Names Kendall

Appointment of C. O. Kendall as a consultant in the products division of Becton, Dickinson & Co., Rutherford, N. J., has been announced. Formerly director of product planning for E. R. Squibb & Sons, Mr. Kendall has a substantial background in both the printing and packaging fields. He was director of package development and printing for Colgate-Palmolive-Peet and worked in field and staff capacities with a printing consultant serving Socony-Vacuum Oil Company, Westinghouse Electric Corporation, General Food Corporation and other firms.

Trade Briefs

Eli Lilly has approved a grant to aid the establishment of a culture collection of algae at Indiana University.

Eaton Laboratories has appointed Boris Anzlowar assistant to the medical editor, Dr. R. J. Main.

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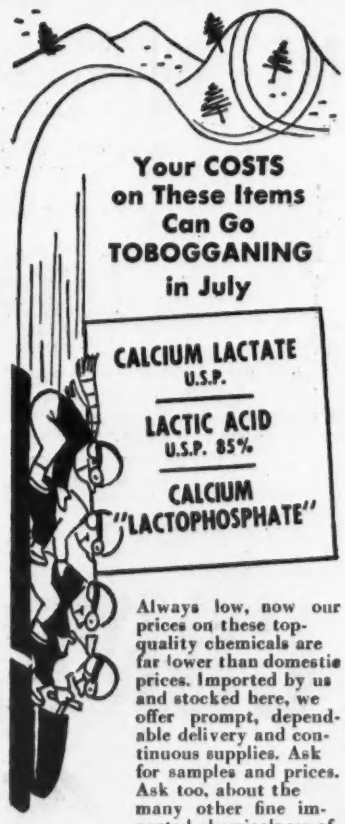

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Dried Milk Imports Curbs Issued by Agriculture Dept.

Regulations restricting the imports of dried milk and certain other dairy products in accordance with the Presidential proclamation of June 8 were issued by the Department of Agriculture July 1, effective immediately. The regulations supercede the regulations previously in effect under section 104 of the defense production act.

Under the proclamation, dried skimmed milk imports are restricted to 1,807,000 pounds. The department said that quotas will be issued to individual importers on the basis of their imports during the period July 1, 1950, through August 8, 1951. Quota also are established for dried cream, dried whole milk and dried buttermilk.

During the April-June, 1953, quarter, imports of peanuts, peanut oil, tung oil, tung nuts, flaxseed and linseed oil were subject to regulation by the department under defense food order No. 3. Effective July 1, there are no restrictions on the quantity of tung oil and tung nuts which may be imported and no import licenses will be required for these commodities. Not more than 1,709,000 pounds of peanuts may be imported annually, but the restriction on peanuts will be enforced by the Bureau of Customs. Annual imports of peanut oil in excess of 80,000,000 pounds and all imports of flaxseed and linseed oil will be subject to fees, also to be administered by the Bureau of Customs.

Baird to Represent Koge

J. M. Baird Company, New York, has announced that arrangements have been completed to represent the Koge Chemical Works, Ltd., Denmark, in the United States on an exclusive basis.

Baird is now in a position to offer Koge calcium lactate, lactic acid, calcium lacto phosphate, ferro lactate, and other lactates in continuous supplies for prompt delivery from its New York warehouses.

Tropics Institute Elects Dr. Rake

Dr. Geoffrey William Rake, coordinator of the office of scientific affairs of E. R. Squibb & Sons division of Mathieson Chemical Corporation, has been named a member of the board of directors of the American institute for the Tropics and chairman of its committee on medicine and public health. Dr. Rake was on the staff of Rockefeller Institute, and a resident associate at the University of Toronto until he became head of the microbiology division of the Squibb Institute in 1937.

FTC Chairman Appoints Several Key Assistants

Chairman Edward F. Howrey has announced several new appointments to the Federal Trade Commission. They include David C. Murchison as his legal adviser and assistant, and Fitzhugh Green as executive assistant for public affairs. He has also designated Thomas P. Baxter, chief of the division of general services, as security officer of the commission and has named Harold A. Kennedy as security legal officer.

Mr. Murchison was formerly the associate general counsel of the Small Defense Plants Administration. From November, 1949, to January, 1951, he was legal assistant to the undersecretary of the army, Tracy S. Voorhees. In his role of principal assistant, Mr. Murchison will handle both legal and administrative matters for chairman Howrey.

Mr. Green, the new executive assistant for public affairs, has had wide experience in public relations, sales and advertising. For the past three years he has been with *Life* Magazine. From 1946 to 1949 he was associated with the Vick Chemical Company.

Carbide Shifts Bradshaw To Fine Chemical Sales

Winston Bradshaw has been transferred to the fine chemicals sales group of Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York. Mr. Bradshaw will assist with the market development of certain nitrogen, chlorine, and sulphur compounds as well as intermediates for the pharmaceutical and rubber chemical industries. For the past six years, Mr. Bradshaw has been a technical representative in the New York district sales office.

Lucidol Adding Equipment

The Lucidol Division of the Novadel-Agene Corporation, Buffalo, N. Y., is in the process of installing new and larger equipment for the production of tertiary butyl hydroperoxide and aklyl peresters. It is expected the installation will be completed and in operation by August 1.

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▸ **DICHLOROACETIC ACID**	$Cl_2CHCOOH$
▸ **CYANOACETIC ACID***	$CNCH_2COOH$
▸ **BENZOPHENONE***	$C_6H_5COC_6H_5$

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ADIPIC ACID—72 bgs, Mercer Chemical Corp, Rotterdam
AEROSIL—182 bbls, Terra Chemicals Inc, Bremen
AGAR—10 bls, American Halvah Products, Kobe
10 bls, Shriro Trading Corp, Kobe
ALCOHOL, CETYL—50 cs, Liverpool
LAURYL—8 dms, Croda Inc, Rotterdam
ALUMINUM HYDRATE—9 bbls, Hudson Shpg Co, Liverpool
AMMONIUM BIFLUORIDE—19 bbls, Bank of Athens, Bremen
100 cks, Republic Chemical Corp, Rotterdam
ANILINE DYES—213 dms, Ciba Co, Rotterdam
4 dms, A E Nydegger, Rotterdam
15 dms, C A Haynes, Rotterdam
44 dms, Sandoz Chemical Works, Havre
8 dms, Heemsoth Kerner, Liverpool
10 dms, Hensel Bruckmann & Lorbacher, Rotterdam
27 dms, Carbic Color & Chemical Co, Rotterdam
ANNATTO SEED—10 bgs, J Szmit, Ciudad Trujillo
ANTHRANILIC ACID—5 dms, Wilson Export & Import Corp, Rotterdam
ANTHRIMID—30 dms, Ciba Co, Rotterdam
ANTIMONY—170 dms, Metal Transport Corp, Rotterdam
8 cks, Valenti Metal Corp, Hull
239 cs, C Tennant Sons & Co, Rouen
ORE—3,951 bgs, Metal Transport Corp, Antofagasta
1,023 bgs, C Tennant Sons & Co, Antofagasta
ARABIC GUM—756 bgs, National City Bank, Port Sudan
250 bgs, Bankers Trust Co, Port Sudan
400 bgs, Guaranty Trust Co, Port Sudan
200 bgs, Chase National Bank, Port Sudan
550 bgs, Port Sudan
ARGOLS—259 bgs, Lisbon
ASBESTOS FIBER—2,000 bgs, Union Asbestos & Rubber Co, Lourenco Marques
BALSAM, PERU—3 dms, Wessel Duval & Co, Corinto
4 dms, Bank of London & S A, Corinto
BARIUM NITRATE—40 cks, C H Powell & Co, Rotterdam
BEESWAX—79 bgs, T Eckert & Co, Hamburg
28 bgs, Reaud Geck Corp, Puerto Barrios
68 bgs, Curacao Trading Co, Ciudad Trujillo
25 bgs, Bank of Manhattan Co, Santiago
21 bgs, Robinson Wagner Co, Port Au Prince
20 bgs, E Vadillo Ruiz, Santiago
19 bls, Strahl & Pitsch, Cutuco
61 bgs, Ciudad Trujillo
164 blks, Assab
219 bgs, Alexandria
BERGAMOT OIL—40 cs, Home & Colonial, Rotterdam
12 hf cs, Messina
BERYLLIUM ORE—31 bgs, Lisbon
BISMUTH—58 bxs, Cerro de Pasco Corp, Callao
BUTTONLAC—100 bgs, Schwab Bros, Calcutta
CADMIUM—22 cs, Industrial Sales Corp, Antwerp
CALCIUM LACTATE—11 kgs, H A Gogarty, Rotterdam
CAMPHOR POWDER—200 cs, Rosenthal Bercow, Keelung
200 cs, Irving Trust Co, Keelung
CAPROLACTAM—69 dms, N A Rayon Corp, Bremen
1 dm, Monsanto Chemical Co, Rotterdam
CARAWAY SEED—400 bgs, Louis Furth, Rotterdam
100 bgs, Levy & Levis Co, Rotterdam
100 bgs, Rotterdam
CARNAUBA WAX—56 bgs, M Argueso & Co, Rio de Janeiro
CAROBS—1,000 bgs, Hanover Bank, Zyghi
CASEIN—2,500 bgs, Guaranty Trust Co, Buenos Aires
2,550 bgs, Tupman Thurlow, Buenos Aires
500 bgs, F H Paul & Stein Bros, Buenos Aires
1,500 bgs, American British Chemical Supplies, Buenos Aires
7,000 bgs, Borden Co, Buenos Aires
61 bgs, Bordeaux
250 bgs, Tupman Thurlow, Copenhagen
300 bgs, Tupman Thurlow, Aabendraa
300 bgs, Guaranty Trust Co, Montevideo
CASHEW NUT SHELL LIQUID—60 dms, Mitchell Beck Co, Lourenco Marques
CASSIA—100 bls, C M Van Sillevoldt, Hong Kong
CASTOR BEANS—400 bgs, Spencer Kellogg, Gonaives
1,630 bgs, Baker Castor Oil Co, Port de Paix
1,693 bgs, Spencer Kellogg, Kohsichang
800 bgs, Spencer Kellogg, Port de Paix
1,384 bgs, Spencer Kellogg, Bangkok
700 bgs, Spencer Kellogg, Dar es Salaam
682 bgs, General Foreign Sales Corp, Genoa
770 bgs, Spencer Kellogg, Mombasa
3,685 bgs, Lisbon
CINCHONA PRODUCTS—100 cs, R W Greeff & Co, Rotterdam
CINNAMON OIL—1 dm, Ungerer & Co, Colombo
LEAF OIL—10 dms, Chase National Bank, Oslo
CITRONELLA OIL—17 dms, Volkart Bros, Colombo
6 dms, Magnus Mabee & Reynard, Colombo
CLOVES—100 bls, Mincing Trading Corp, Zanzibar
COAL TAR DYES—16 cks, C H Timm, Rotterdam
6 cks, Hensel Bruckmann & Lorbacher, Rotterdam
32 dms, Wilson Export & Import Corp, Rotterdam
2 cans, Hensel Bruckmann & Lorbacher, Bremen
4 djms, Hensel Bruckmann & Lorbacher, Bremen
COCONUT OIL—299 tons, American Trust Co, Cebu
336 tons, American Trust Co, Zamboanga
COD LIVER OIL—275 dms, T B Smith, Reykjavik
256 dms, Dyson Shpy Co, Reykjavik
COPAL GUM—37 bgs, S Winterbourne & Co, Manila
57 bgs, Wm H Scheel, Manila
36 bgs, O G Innes Corp, Manila
COPPER CYANIDE—178 dms, Chemical Mfg Co, Middlesbrough
CORIANDER SEED—200 bgs, Louis Furth, Hamburg
COTTON LINTERS—857 bls, Lush Cotton Products, Antwerp
262 bls, J E Bernard, Santos
CRESYLIC ACID—296 dms, H A Gogarty, Liverpool
37 dms, Liverpool
CUPROUS CYANIDE—30 dms, Bank of Athens, Antwerp
CUTTLEFISH BONES—215 cs, Sfax
127 cs, Bordeaux
CYANURIC CHLORIDE—200 dms, Terra Chemicals Inc, Rotterdam
DAMMAR GUM—50 cs, U S Industrial Chemicals Co, Bangkok
32 bgs, Wm H Scheel, Singapore
25 cs, Thurston & Braidich, Singapore
25 cs, Gillespie Rogers Pyatt, Singapore
DEXTRIN—100 bgs, Manhattan Paste & Glue Co, Rotterdam
12 bgs, Comm Envelope Mfg Co, Rotterdam
10 bgs, United Paste & Glue Co, Rotterdam
201 bgs, Federal Adhesives Corp, Rotterdam
100 bgs, Rotterdam
DOGWOOD BARK—148 bgs, S B Penick & Co, Kingston
EARTH COLOR—415 bgs, T H Deutz, Rotterdam
67 cks, J Lee Smith, Bremen
PAINT—360 bgs, Reichard Coulston, Larnaca
EGG ALBUMEN—50 dms, Haug & Co, Copenhagen
ERGOT—10 dms, Prentiss Drug & Chemical Co, Leixoes
EUCALYPTUS OIL—10 dms, Commercial Banking Co, of Sydney, Melbourne
FISHLIVER OIL—3 dms, J D Smith Interocean, Yokohama
2 dms, Arista Oil Products Co, Yokohama
3 dms, Interocean Chemical & Minerals Corp, Yokohama
2 dms, Albumina Supply Co, Yokohama
FUEL OIL—10,000 bbls, Asiatic Petroleum Corp, Curacao
91,475 bbls, Paragon Oil Co, Tampico
10,000 bbls, Esso Standard Oil Co, Aruba
92,789 bbls, Hess inc, Curacao
110,000 bbls, Esso Export Corp, Aruba
GALL—7 dms, F J Benkart, Vera Cruz
OX—6 bbls, International Packers Ltd, Brisbane
GELATIN—30 bbls, Coignet Chemical Co, Antwerp
30 bbls, Hensel Bruckmann & Lorbacher, Rotterdam
GERANIOL—12 dms, George Uhe Co, Rotterdam
GINGER—112 bgs, W J Bush & Co, Kingston
112 bgs, A G Dunn, Kingston
56 bgs, Dodge & Olcott, Kingston
24 bgs, Victory Shpy Co, Kingston
58 bgs, Knickerbocker Mills, Kingston
112 bgs, George Lueders & Co, Kingston
10 bgs, Kingston
GLUE—15 cs, Henneux Co, Bremen
129 bgs, Liverpool
GLUESTOCK—315 bgs, H Remis & Co, Barranquilla
612 bgs, Transatlantic Animal By Products Corp, Rouen
GLYCERIN—100 dms, Lever Bros, Port of Spain
30 dms, Colgate Palmolive Peet Co, Sydney
40 dms, International Packers Ltd, Brisbane
80 dms, International Packers Ltd, Melbourne
40 bbls, Corn Exchange Bank, Cochin
GRAPHITE—50 bgs, Meyer Shpg Co, Genoa
GUAIACWOOD OIL—34 cs, Schimmel & Co, Buenos Aires
GYPSUM—20,747 tons U S Gypsum Co, Hantsport
10,000 tons, National Gypsum Co, Little Narrows
IODINE—2,148 kgs Chilean Nitrate Sales Corp, Tocopilla
IPECACUANA ROOT—10 bgs, Irving Trust Co, Cristobal
IRON OXIDE—653 bgs C J Osborn, Malaga
435 bgs, Reichard Coulston, Malaga
50 bbls, Whittaker Clark & Daniels, Malaga
200 bgs, J Lee Smith, Hull
JALAP ROOT—109 bgs, Vera Cruz
JAPAN WAX—50 cs, Frank B Ross, Kobe
KIESERITE—2,000 bgs Purepac Corp, Bremen
LAVENDER OIL—6 dms, Brown Bros, Marseille
LEATHERMEAL—1,000 bgs, H J Baker & Bros, Hull
1,716 bgs, Liverpool
LEMON OIL—40 qu cs Corn Exchange Bank, Messina
20 cs, Messina
8 dms, Messina
33 cs, Herbert Marmorek & Son, Tel-Aviv
15 dms, Fritzsche Bros, Vera Cruz
LEMONGRASS OIL—6 dms, Mfrs Trust Co, Cochin
2 dms, W J Bush & Co, La Libertad
17 dms, Cochin
LICORICE EXTRACT—400 ctns, Wm E Martin, Izmir
LIGNIN—800 bgs, American Extract Co, Oslo
LIME OIL—15 cs, U J Bush & Co, Port of Spain
4 dms, L A Champon & Co, Port Au Prince
LIVERMEAL—1,092 bgs, Wessel Duval & Co, Buenos Aires
LOCUST BEANS—1,000 bgs, Stein Hall & Co, Limassol
GUM—1,000 bgs, Morningstar Nicol, Piraeus
1,200 bgs, Irving Trust Co, Barcelona
3 dms, N Y Trust Co, Barcelona
20 dms, Rohner Gehrig, Rotterdam
MAGNESIUM CARBONATE—25 cs, Industrial Raw Materials Corp, Hamburg
MALAGUETTE SEED—27 bgs, S B Penick & Co, Abidjan
MANGANESE CHLORIDE—20 bbls, Terra Chemicals Inc, Bremen
MANGROVE EXTRACT—2,000 bgs, Saxe Cutch Corp, Sanda Kan
MANIOC FLOUR—1,000 bgs, Geismar & Co, Marseilles
600 bgs, Dutch American Mercantile Corp, Marseilles
384 bgs, Nole Corp, Marseilles
MARJORAM—240 bgs, Louis Furth, Arica
MENTHOL — 50 cs, International Commodities Corp, Yokohama
40 cs, Lo Curto & Funk, Yokohama
20 cs, Trianon Overseas Co, Yokohama
MILK SUGAR—50 bgs, Rotterdam
MOLASSES—9,974 tons, Instituto Cubano de Est del Azucar, Havana
450 tons, W R Grace & Co, Salaverry
NAPHTHALENE—1,179 bgs, Interocean Chemical & Minerals Corp, Hull
800 bgs, Interocean Chemical & Minerals Corp, Liverpool
1,000 bgs, Kingston Chemical Co, Antwerp
1,021 bgs, Gallard Schlesinger, Antwerp
1,644 bgs, Rotterdam
NAPHTHOL—6 dms, Orlex Dyes & Chemical Corp, Rotterdam
NICKEL CHLORIDE—6 cks, Republic Chemical Corp, Rotterdam
6 bbls, Republic Chemical Corp, Rotterdam
21 bbls, Aceto Chemical Co, Bremen
SULPHATE—59 bgs, Kaunitz & O'Brien, Hamburg
10 cks, Kaunitz & O'Brien, Hamburg
20 bgs, Freedman & Slater, Manchester
NUTMEGS—250 bgs, Holland Trading Society, Padang
OLIVE OIL—231 dms, Hanover Bank, Malaga
104 dms, National Shawmut Bank Boston, Malaga
52 dms, National City Bank, Malaga
250 dms, Bank of London & S A, Barcelona
375 dms, National City Bank, Barcelona
50 dms, Manufacturers Trust Co, Barcelona
125 dms, Bank of America, Tarragona
25 dms, Public National Bank, Tarragona
25 dms, Manufacturers Trust Co, Tarragona
50 dms, Marine Midland Trust Co, Tarragona
100 dms, Credit Suisse, Barcelona
96 dms, Trade Bank & Trust Co, Barcelona
100 dms, Bank of America, Barcelona
100 dms, J H Schroder, Tarragona
375 dms, Credit Suisse, Tarragona
540 dms, National City Bank, Tarragona
25 dms, Bank of Manhattan Co, Seville
50 dms, Mfrs Trust Co, Seville
617 dms, Credit Suisse, Seville
25 dms, Guaranty Trust Co, Seville
50 dms, Chase National Bank, Seville
200 dms, Mfrs Trust Co, Naples
50 dms, Malaga
OPPANOL—2dms, Nova Chemical Corp, Rotterdam
ORANGE OIL—20 cs, George Lueders & Co, Kingston
3 dms, Dakar
ORTHOBENZOYL BENZOIC ACID—1 dm, Wilson Export & Import Corp, Rotterdam
PAPAIN—8 cs, Chas L. Huisking & Co, Colombo
66 hf chts, Chas L. Huisking & Co, Colombo
9 cs, Smith Coney & Barrett, Dar es Salaam
5 cs, John Holt & Co, Dares Salaam
28 cs, Chas L Huisking & Co, Mombasa
5 cs, Meer Corp, Mombasa
PAPRIKA—100 bgs, Lisbon
PARACHLOROMETACRESOL—50 kgs, Karr Ellis, Liverpool
1 kg, H A Gogarty, Liverpool
PATCHOULI LEAVES—350 bgs, L A Champon & Co, Oslo
PEATMOSS—2,546 bls, J E Bernard, Bremen
2,000 bls, Gelico Inc, Bremen
2,735 bls, New Amsterdam Import Co, Bremen
1,220 bls, C Gastmeyer, Rotterdam
2,200 bls, Premier Peatmoss Corp, Bremen
1,650 bls, C Fafard, Bremen
2,000 bls, Atkins & Durbrow, Bremen
1,000 bls, E Dunwoody, Bremen
400 bls, National Distributors, Bremen
2,007 bls, Lewis intern Co, Bremen
2,800 bls, Bruco Peatmoss Corp, Bremen
323 bgs, Internatio Rotterdam, Oosthaven
40 bgs, Irving Trust Co, Cochin
40 bgs, Nederlandsche Handel, Cochin
160 bgs, Otto Gerdau, Rotterdam
160 bgs, A C Israel, Rotterdam
152 bgs, Mincing Trading Corp, Cochin
80 bgs, M Golodetz, Cochin
120 bgs, Joensson & Cross, Cochin
80 bgs, J Berlage, Rotterdam
80 bgs, Borneo Sumatra Trading Co, Rotterdam
240 bgs, East India Trading Co, Rotterdam
64 bgs, N Y Trust Co, Bangkok
72 bgs, Joensson & Cross, Bangkok
1,208 bgs, Cochin
PETITGRAIN OIL—13 cs, L A Champon & Co, Buenos Aires
PETROLEUM, CRUDE—200,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
200,000 bbls, Esso Standard Oil Co, Puerto La Cruz
110,708 bbls, Cities Service Oil Co, Tuxpan
PHTHALIC ANHYDRIDE—1,653 bgs, Reichold Chemicals, Rotterdam
1,000 bgs, American Alkyd Industries, Rotterdam
8,819 bgs, Liverpool
1,102 bgs, Rotterdam
PIMENTO—320 bgs, Kellys America Ltd, Kingston
100 bgs, Otto Gerdau, Kingston
80 bgs, John Holt & Co, Kingston
2 dms, Fritzsche Bros, Kingston
2 dms, George Lueders & Co, Kingston
POLLACKLIVER OIL—73 dms, Arista Oil Products Co, Yokohama
50 dms, Albumina Supply Co, Yokohama
20 dms, Consumers Import Co, Yokohama
POLYSTYRENE MOLDING POWDER—286 bgs, Promiumwares Inc, London
POLYETHYLENE—13 dms, Monsanto Chemical Co, Rotterdam
POPPY SEED—200 bgs, Louis Furth, Rotterdam
100 bgs, R L Friedler, Rotterdam
334 bgs, Istanbul
POTASH SALTS—10 kgs, Mager Bros, London
POTASSIUM PERSULPHATE—70 dms, Lo Curto & Funk, Hamburg
PRUSSIATE—190 kgs, Hunt Chemical Works, Antwerp
PSYLLIUM SEED—324 bgs, S B Penick & Co, Bombay
411 bgs, Brown Bros, Bombay
153 bgs, T M Duche & Sons, Bombay
195 bgs, Chase National Bank, Bombay
153 bgs, National City Bank, Bombay
PYRETHRUM FLOWERS—129 bls, S B Penick & Co, Dar es Salaam
125 bls, S B Penick & Co, Mombasa
14 bdls, U S Industrial Chemicals, Puna
QUEBRACHO EXTRACT—31,540 bgs, Hanover Bank, Buenos Aires
21,592 bgs, Bankers Trust Co, Buenos Aires
4,711 bgs, Royal Bank of Canada, Buenos Aires
2,171 bgs, Rotterdam
QUICKSILVER—150 flks, Lo Curto & Funk, Tampico
100 flks, Ayrton Metal Co, Tampico
100 flks, Chase National Bank, Tampico
RAPESEED—550 bgs, Wagner Bros, Rotterdam
800 bgs, Hartz Mountain Products, Rotterdam
100 bgs, Rotterdam
RUTILE SAND—2,000 bgs, International Titanium Corp, Brisbane
1,500 bgs, Metal Transport Co, Brisbane
100 bgs, Oroma Trading Corp, Brisbane
RUTIN—14 cs, Sydney
SAGE LEAVES—425 bls, J H Schroder, Izmir
747 bls, Leghorn
SAGO FLOUR—547 bgs, Chase National Bank, Singapore
SAPONIN—8 cs, Karr Ellis & Co, Hamburg
SEEDLAC—1,230 bgs, East Asiatic Co, Bangkok
250 bgs, Unity Import Export Co, Bangkok
500 bgs, Gillespie Rogers Pyatt, Bangkok
770 bgs, Mac Lac Co, Bangkok
200 bgs, J S Chaula, Bangkok
160 bgs, Colony Import Export Corp, Bangkok
325 bgs, Mantrose Corp, Bangkok
500 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Mantrose Corp, Calcutta
75 bgs, Ralli Bros, Calcutta
250 bgs, Parks Co, Calcutta
900 bgs, H C Smith, Calcutta
300 bgs, Unity Import Export Co, Kohsichang
250 bgs, J H Schroder, Kohsichang
200 bgs, Tradesman National Bank, Kohsichang
225 bgs, J S Chawla, Kohsichang
200 bgs, Suhr & Bundelman, Calcutta
200 bgs, Gillespie Rogers Pyatt, Calcutta
250 bgs, Kohsichang
1,250 bgs, Calcutta
SESAME SEED—500 bgs, Wm G Scarlett, Corinto
266 bgs, Marine Midland Trust Co, Corinto
552 bgs, Louis Furth, Salvador
100 bgs, L N White Co, Kingston
SHARKLIVER OIL—50 dms, Albumina Supply Co, Yokohama
SHELLAC—100 bgs, Colony Import Export Corp, Bangkok
400 bgs, Mac Lac Co, Calcutta
200 bgs, C H Timm, Calcutta
300 bgs, Calcutta
SIENNA—2 bgs, Sturtevant Mill Co, Larnaca
SODIUM ALGINATE—40 ctns, T M Duche & Sons, Oslo
BICARBONATE—499 bgs, Chemical Mfg Co, Liverpool
CYANIDE—250 dms, Chemical Mfg Co, Middlesbrough
200 dms, Rotterdam
PERBORATE MONOHYDRATE—14 dms, Caldwell Chemical Co, Rotterdam
TETRAHYDRATE—300 dms, Chemical Mfg Co, Liverpool
SULPHITE—60 kgs, J T Baker Chemical Co, London
STARCH—200 bgs, D C Andrews & Co, London
25 bgs, Rotterdam
SULFAMETHAZINE—7 bbls, Gyma Laboratory, Haifa
2 cs, P Bayer Co, Hamburg
7 kgs, Gyma Lab, Antwerp
SWORDFISHLIVER OIL—1 dm, Transocean Commerce Inc, Yokohama
TALC—1,066 bgs, National City Bank, Bombay
TAPIOCA FLOUR—500 bgs, Sino Java Inc, Bangkok
470 bgs, Internatio Rotterdam, Bangkok
500 bgs, Manhattan Paste & Glue Co, Bangkok
TETRACHLOROBENZENE—20 kgs, F J Henjes, Rotterdam
THYME LEAVES—107 bls, Seeck & Kade, Marseilles
TRICHLOROETHYLENE—256 dms, Chemical Mfg Co, Liverpool
150 dms, Interstate Chemical Corp, Genoa
TUNG OIL—382 tons, Pacific Vegetable Oil Corp, Buenos Aires
TURMERIC—64 bgs, Wm E Martin, Kingston
170 bgs, Volkart Bros, Cochin
ULTRAMARINE BLUE—1,200 bgs, Standard Ultramarine & Color Co, Hull
1 bbl, Hansborg & Co, Rotterdam
UMBER—4 bgs, Sturtevant Mill Co, Larnaca
UREA—10,000 bgs, Chemical Mfg Co, Middlesbrough
597 bgs, Leviant & Co, Antwerp
VALONEA CUPS—1,891 bgs, Olson Sales Agency, Izmir
1,486 bgs, Barkey Importing Co, Izmir
EXTRACT—1,000 bgs, Piraeus
VANADIUM CONCENTRATES—400 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—29 cs, Girard Trust Co, Marseilles
25 cs, Thurston & Braidich, Marseilles
WATTLE EXTRACT—1,480 bgs, Barkey Importing Co, Mombasa
522 bgs, Olson Sales Agency, Mombasa
WHALELIVER OIL—11 dms, Collett Week Nibecker, Yokohama
WHITING—1,344 bgs, Smith Chemical & Color Co, Hull
WOLFRAM CONCENTRATES—234 bgs, Overseas Metal & Ore Corp, Rotterdam
200 bgs, Melbourne
ORE—303 bgs, Metallurg Inc, Adelaide
60 bgs, Bank of New South Wales, Sydney
400 bgs, Penson & Co, Bangkok
200 bgs, Chase National Bank, Bordeaux
200 bgs, F Kramarsky, Rotterdam
359 bgs, National City Bank, Bangkok
100 bgs, Hong Kong
200 bgs, Lisbon
WOLFRAMITE—800 bgs, Girard Trust Co, Leixoes
WOOL GREASE—28 dms, National Bank of Australia, Melbourne
157 dms, Gallard Schlesinger, Antwerp
23 dms, Adelaide
YACCA GUM—72 bgs, Commercial Bank of Australia, Adelaide
ZIRCON SAND—3,000 bgs, International Titanium Corp, Brisbane

Baltimore

CUTTLEFISH BONE—65 cs, Lisbon
50 cs, Bordeaux
OLIVE OIL—1,600 dms, First National Baltimore, Tarragona
500 dms, First National Baltimore, Barcelona

Boston

SEEDLAC—250 bgs, First National Boston, Bangkok
VALONEA EXTRACT—300 bgs, Olson Sales Agency, Piraeus

Los Angeles

AGAR—10 bls, Hathaway Allied Products Co, Nagoya
ARSENIC—119 dms, National Shawmut Bank of Boston, Marseille
BARIUM CARBONATE—1,000 bgs, L H Butcher Co, Rotterdam
BONEMEAL—2,204 bgs, Transatlantic Animal By-Products Corp, Alexandria
CALCIUM NITRATE—9,100 bgs, Wilson & Geo Meyer & Co, Heroya
2,000 bgs, Bradley & Baker, Rotterdam
CARAWAY SEED—100 bgs, Lastreto Philipps Commercial Co, Rotterdam
CASTOR SEEDS—1,082 bgs, Manila
COPRA—500 tons, American Trust Co, Dumaguete
500 tons, American Trust Co, Cebu
500 tons, Vegetable Oil Products Co, Tabaco
CAKE—1,760 bgs, Pacific Vegetable Oil Corp, Manila
6,000 bgs, American Trust Co, Cebu
600 tons, Vegetable Oil Products Co Inc, Cebu
2,987 bgs, Balfour Guthrie & Co, Zamboanga
2,014 bgs, Pacific Vegetable Oil Corp, Cebu
DEXTRIN—200 bgs, Arabol Mfg Co, Rotterdam
EARTH COLOUR—1,920 bgs, Frank D Davis Co, Rotterdam
FISH MEAL—553 bgs, W R Grace Co, Callao
109 bgs, W R Grace Co, Chimbote
HERRING MEAL—3,090 bgs, Wilbur Ellis Co, Haugesund
IRON OXIDE—870 bgs J Lee Smith & Co, Malaga
653 bgs, Malaga
1,800 bgs, Frank D Davis Co, Antwerp
LOCUST BEAN GUM—100 bgs, Meer Corp, Genoa
40 bgs, E S Browning Co, Genoa
NICKEL SULPHATE — 45 cnks, Bank of Athens Trust Co, Hamburg
40 dms, Overseas Metal & Ore Corp, Rotterdam
PEAT MOSS—600 bls, H M Newhall & Co, Bremen
540 bls, John Schumacher Co, Bremen
1,000 bls, H V Nootbaar Co, Bremen
PETROLEUM, CRUDE—118,565 bbls, General Petroleum Corp, Puerto La Cruz
112,161 bbls, The Texas Co, Sungai Pakning
15,017 tons, Standard Oil Co of Calif, Ras Tanura
118,983 bbls, The Texas Co, Ras Tanura
POLLACKLIVER OIL—100 dms, Van Camp Sea Food Co Inc, Yokohama
30 dms, Aristo Oil Products Co, Yokohama
40 dms, Consumers Import Co Inc, Yokohama
POPPY SEED—100 bgs, Lastreto Philipps Commercial Co, Rotterdam
QUININE SULPHATE—2 cs, M Bentler, Bremen
RAPESEED—200 bgs, Seed & Feeding Corp, Rotterdam
SEEDLAC—582 bgs, East Asiatic Co Inc, Bangkok
296 bgs, H M Newhall & Co, Bangkok
394 bgs, P N Rowe Bangkok
SODIUM SILICO FLUORIDE—100 bgs, Rotterdam
THYME LEAVES—43 bgs, Hismoco American Co, Rotterdam
TRICHLOROETHYLENE—50 dms, New York Hanseatic Corp, Rotterdam
UREA—1,212 bgs, Atkins Kroll & Co, Rotterdam
1,504 bgs, Genoa
20,280 bgs, Wilson & Geo Meyer & Co, Heroya

Norfolk

CHESTNUT EXTRACT—60 bgs, Bordeaux

Philadelphia

ANTIMONY—185 cs, Rouen
OXIDE—25 tons, Glasgow
ASBESTOS FIBER—2,270 bgs, Lourenco Marques
400 bgs, Philadelphia National Bank, Capetown
4,880 bgs, Keasby & Mattison, Beira
BERYL ORE—2,483 bgs, Derby & Co, Capetown
956 bgs, Derby & Co, Beira
420 bgs, Lourenco Marques
BONEMEAL—3,715 bgs, Calcutta
CARAWAY SEED—100 bgs, Rotterdam
CRESYLIC ACID—300 dms, Glasgow
FISHMEAL—800 bgs, Lisbon
GLYCERIN—70 cks, Chemical Bank, Marseille
385 dms, Calcutta
95 dms, Alexandria
MANGANESE ORE—500 cks, Marseille
NICKEL SULPHATE—15 bbls, Antwerp
PEATMOSS—1,000 bls, Hamburg
1,500 bls, Bremen
PETROLEUM CRUDE—103,987 bbls, Atlantic Refining Co, Las Piedras
340,484 bbls, Atlantic Refining Co, Pamatacual
121,961 bbls, Atlantic Refining Co, Puerto La Cruz
265,000 bbls, Gulf Oil Corp, Puerto La Cruz
328,308 bbls, Gulf Oil Corp, Mena al Ahmadi
106,594 bbls, Gulf Oil Corp, Las Piedras
120,778 bbls, Socony Vacuum Oil Co, Covenas
295,861 bbls, Socony Vacuum Oil Co, Mena al Ahmadi
169,533 bbls, The Texas Co, Sidon
POPPYSEED—100 bgs, Rotterdam
QUEBRACHO EXTRACT—1,387 bgs, Hanover Bank, Buenos Aires
SODIUM NITRATE—3,000 tons, Guaranty Trust Co, Tocopilla

TAPIOCA FLOUR—400 bgs, Brown Bros, Itajai
VANILLA BEANS—25 cs, J A McCarthy, Marseille
WATTLE EXTRACT—1,012 bgs, Durban
WHITING—1,760 bgs, Antwerp

San Francisco

CARDAMOMS—20 cs, H M Newhall & Co, Mangalore
COPRA—500 tons, Cargill Inc, Zamboanga
109 tons, Atkins Kroll & Co, Zamboanga
800 tons, Zamboanga
DICALCIUM PHOSPHATE—1,543 bgs, Antwerp
EUCALYPTUS LEAVES—42 bls, Nassau Chemicals, Melbourne
FISHMEAL—862 bgs, Wessel Duval & Co, Callao
12,280 bgs, Wilbur Ellis Co, Walvis Bay
GYPSUM—9,084 tons, Kaiser Gypsum Co, San Marcus
IRON OXIDE—220 bgs, L G Heller, Genoa
LIVERMEAL—500 bgs, International Packers Ltd, Auckland
LOCUST BEAN GUM—100 bgs, Stein, Hall & Co, Genoa
OLIVE OIL—300 dms, A Giurlani & Bro, Leghorn
PEATMOSS—1,000 bls, W R Grace & Co, Bremen
1,100 bls, Lastreto Phillips, Bremen
PEPPER, BLACK—80 bgs, Mincing Trading Corp, Cochin
PETROLEUM CRUDE—180,407 bbls, Standard Oil Co, Ras Tanura
27,371 tons, Standard Oil Co, Ras Tanura
SIENNA—200 bgs, L G Heller, Genoa
TRICHLOROETHYLENE—77 dms, C M C Chemicals, Manchester
ZIRCON SAND—1,488 bgs, Pacific Graphite Co, Brisbane
400 bgs, H L E Meyer & Co, Brisbane

Universal Detergents Names Lynch & Co. Calif. Distributor

Universal Detergents, Inc., Long Beach, Calif., has appointed A. J. Lynch & Co., California distributor for "Udet" and "Udex," its two alkyl aryl sodium sulphate synthetic detergents, and "Udesolve," its aromatic hydrocarbon solvents line. Los Angeles area sales representation will be handled out of Lynch's main office at 2424 Enterprise avenue, headed by Tom De Temple. H. G. Pratt will direct the northern California operations out of 1495 Custer avenue, San Francisco.

Universal has also announced the publication of a technical bulletin describing the properties and applications of "Udet," "Udex" and "Udesolve." Copies of the bulletin (No. 55) are available on request to Universal Detergents, Inc., 1825 East Spring street, Long Beach, Calif.

Obituaries

Nathan L. Miller

Nathan L. Miller, general counsel for United States Steel Corporation and a former governor of New York, died June 26 in New York. He was eighty-four years old.

Mr. Miller became general counsel for the corporation as well as a director and member of the finance committee in 1925.

Ellis D. Allen, credit representative for Shell Oil Company, New York, died July 1 in Yonkers, N. Y. He was fifty-six years old.

Dr. William Chambers Coker, Kenan research professor of botany emeritus at the University of North Carolina, died in Chapel Hill, N. C., June 27. He was eighty years old.

John S. Chaya, textile engineer in the research division of American Viscose Corporation at Marcus Hook, Pa., died June 26 in Philadelphia. He was sixty years old. Mr. Chaya had been with the corporation eleven years.

Richard T. Dunn, president of Dick-Dunn Drug Products Company, St. Louis, Mo., died June 19 in Galveston, Tex. Mr. Dunn founded his own company in 1929.

Frank A. Everett, credit manager of Van Doren Oil Company, Lebanon, N. J., died June 26 in Newark, N. J. He was forty years old.

Donald F. Irvin, a mining and metallurgical engineer with Oliver United Filters Company until his retirement in 1950, died July 1 in Bronxville, N. Y. He was seventy-three years old.

Thomas D. Jensen, retired Alaskan gold mine operator, died in Milwaukee, Wis., June 28. He was seventy-two years old.

John G. Lindsay, foreman at the Congoleum-Nairn plant in Kearny, N. J., died June 25 in Kearny. He was fifty-two years old.

Theodore Whittlesey, sr., industrial chemist and former director of development with the United States Rubber Company, died June 26 in Philadelphia. He was eighty-five years old. Following his retirement in 1920, Mr. Whittlesey had acted as chemical consultant for numerous companies in the United States and England.

Bids Wanted

Cornstarch, 650,750 lbs., export pack, inv. 76 B, July 13, Officer in Charge, San Francisco Quartermaster Market Center, 124 Grand Ave., Oakland 12, Calif.

Drugs, misc., 144 bots. of 1,000 capsules oleovitamin A, 50,000 USP units, 4,896 bots. of 100 capsules diphenylhydantoin sodium, 1½ gr. USP, 1,080 bots. of 1,000-capsules same, various destinations, inv. A-7-A, July 14; 5,640 bots. acetone, 1,824 bots. acetic anhydride, 1,896 bots. lactose, 480 bots. acetic acid, 72 bots. cetyl alcohol, 1,800 bots. petroleum ether, 456 bots. hydrochloric acid, 96 bots. mercuric nitrate, inv. A-11, July 13, Chief, Procurement Div., Supply Service, Vet. Adm. Bldg., Washington 25, D. C.

Lime, 400 tons hydrate, inv. 34, July 10, Wingate Ordnance Depot, Gallup, N. Mex.

Silica gel, 9,900 lbs., desiccant, inv. 1709-B, July 21, Navy Purchasing Office, 111 E. 16th St., N. Y., N. Y.

Zinc Carbonate, 86,216 lbs., inv. CML-215 B, July 153 N. Y. Chem. Procurement Dist., 180 Varick St., N. Y. 14, N. Y.

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- CHELIDAMIC ACID
- CHELIDONIC ACID
- CHLOROACETOPYROCATECHOL
- p-CHLOROBENZAMIDE
- p-CHLOROBENZHYDRAZIDE
- 5-CHLOROBENZIMIDAZOL
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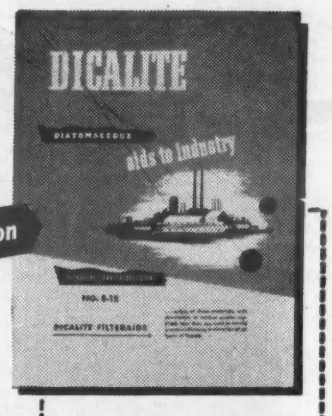

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- Brucine
- Cantharidin
- Colchicine
- Digitalin
- Digitonin
- Digitoxin
- Duboisine
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- Ephedrine
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- Eserine
- Helenin
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- Hyoscine
- Hyoscyamine
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Trading continued at a depressed level in the botanicals market, chiefly as a result of seasonal slackness. Buyers lacked enthusiasm for most items, and were taking only immediate needs. Very few were reported anticipating future requirements. Prices tended to sag in many items as a result. Very little change was expected for the balance of the month.

The action by the Iranian government in attempting to impose a new foreign exchange rate had a quieting effect locally on the market for tragacanth gum. Importers were waiting to see what the results of the new regulations would be and until the full effects became known, were adopting a watchful attitude. The supply situation locally was quite adequate for demand and worked no hardship on consumers. Prices for vanilla beans were firm and the market maintained a strong outlook in the face of a continued good demand and reduced replacement. Offerings in France were reported to be fairly restricted in quantity.

Black pepper dropped substantially on spot and for afloat offers. The ground lost over the week was expected to be regained later in the month, when the effect of reduced shipments from India would be felt. White pepper was also reduced substantially on the week's trading. A single advance in pepper was made by red Japanese, hontaka.

New crop domestic botanicals were arriving in very limited quantities as a result of the slow pace of the year's collection. Although inventories on many of these items were low and replacement limited as yet, a light demand prevented any serious overall pinch.

Indian celery seed prices dropped in response to the arirval of a shipment in New York. Dutch poppy remained quiet and demand was slow, following the usual trend at this time of the year. Considerable weakness was noted in prices for both Ceylon and Zanzibar cloves, which were reduced again. Mexican pimento was advanced fractionally. Prices for Spanish paprika held steady without reaching any new levels but displayed a firm undertone. Iranian cumin and Saigon cassia were also among the items reduced.

Balsams

Fir—Oregon material occupied a very tight position, as the level of stocks dropped lower. Prices of $3.25 per pound and up were quoted for some sales, although these quotations were in many instances nominal. No increase in the supply level was expected until material from new production becomes available. Canadian material was steady and unchanged in price over the past week. Quotations ranged upwards from $34 per gallon.

Beans

Vanilla—Replacement continued severely limited and presented an outlook of increasing tightness in this market. Material available in France has reportedly shown no indication of increasing in volume. With demand continuing at recently increased levels, this has brought a considerably firmer market. Price ranges for Bourbon and Mexican beans were steady. In view of the higher replacement costs, dealers expected current price schedules to be firmly maintained over the coming weeks.

Gums

Arabic—The market was quiet and demand remained somewhat spotty over the past week. No new prices were established. Powdered, USP, material was quoted from 20c. and up, while prices for amber, sorts, ranged upwards from 14c. These quotations were effected on large lot sales, and smaller transactions brought prices higher than these.

Karaya—Interest was regarded as routine for the season and no sizable price developments were reported over the week. No. 1 material was priced upwards from 30c. Prices for No. 2 ranged upwards from 24c. and for No. 3 from 19c. These quotations were reported as the minimum quotations, in effect on large lot purchases.

Tragacanth—The recent action by the government of Iran attempting to impose a new export exchange rate for the rial, Iran's unit of currency, had a quieting effect on the market here. Importers were waiting to see what the results of the new regulations would be. Whether the new currency exchange rate could be held permanently and whether the falling trend of the last few months could be checked were the unanswered questions. In the meantime, the supply situation locally worked no hardship on consumers, as inventories were considered quite ample. Users could obtain their requirements without difficulty from present dealers' stocks, it was reported in the trade.

One importer has reported that the latest advices from Iran indicate that the first arrivals of the new crop are coming through at this time. This is the beginning of the 1953-54 crop, it was stated, and will be harvested over the next few months. The size of the crop could not yet be determined, according to the report, but the quality of the first arrivals has been estimated as being above last year's standards.

Leaves

Uva Ursi — The week's business produced no shift in prices. A range of 12c. to 14c. remained in effect. Demand was of a routine nature, the trade reported, and was filled without noticeable pinch. No significant change in the supply situation was expected to develop from the present balance of market influences.

Roots

Ginseng—The new crop of wild root has made some fresh stocks available, although arrivals so far have not been in any great volume. Prices for the new material have been higher in some quarters than quotations previously heard. However, not all quarters offering the root have revised their quotations. A price of $16.50 was heard during the past week. Other sources quoted new crop material upwards to $22 per pound. Inquiry was described as moderate and steady.

Goldenseal—Not too many takers for this root were to be found, the trade reported. The market was described as being fairly dull for this reason and as giving no indication of increased activity in the coming weeks. Demand for the root has been down for some time and dealers expected a continuation of this quiet rate of demand for the immediate future.

Valerian—Belgian material was priced from 36c. to 40c. and was steady under the influence of adequate shipments and a moderate demand. Consumption remained steady, causing dealers to see little reason for extensive change in the price level in coming weeks. A price of 26c. was heard during the week for Indian root.

Seeds

Caraway—The Dutch variety underwent no changes pricewise. Demand was

Market Trends

Advanced

Drugs

Ginger, African, ½c. per lb.

Other Articles

Pepper, red, Japanese, hontaka, 1c. per lb.
Pimento, Mexican, ½c. per lb.

Reduced

Drugs

None

Other Articles

Cassia, Saigon, all medium, 2c. per lb.
broken, 1c. per lb.
Celery, Indian, 5c. per lb.
Clove, Ceylon, 4c. per lb.
Zanzibar, 4c. per lb.
Cumin, Iranian, ¼c. per lb.
Pepper, black, Malabar, *5c. per lb.
white, 5c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
108.92	109.00	107.84†	102.84

†Revised.
*Obtained too late for index calculation.

(For Current Prices see page 9)

Imports Detained by FDA

Week Ended June 26

New York

Black pepper, 6 lots, 493 bags: moldy berries; dead insects.
Cassia, 5 lots, 394 bags: filthy.
Chamomile flowers, 3 lots, 97 bags: filthy.
Cumin seed, 137 bags: filthy.
Kola nuts, 205 bags: wormy.
Lemon oil, 12 cases: other oil substituted.
Mace, 11 lots, 186 cases: moldy; dead insects.
Nutmegs, 10 lots, 1,213 bags: moldy and wormy.
Sage leaves, 52 bags: filthy.

For Late Market Developments, See Page 4

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KELSIZE[1]	Medium viscosity sodium alginate	Thru 40	9	Corrugated paperboard adhesives, paper and paperboard surface sizing compositions and coatings, rubber latex thickening
SUPERLOID[1]	High viscosity ammonium alginate	Thru 20	6	Bodying & creaming rubber products, water paints and ceramic bodies and coatings.

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described as very slow, with the market picture generally holding quiet.

Celery—French held steady at current levels. Indian seed due to arrive last Friday was quoted at 25c. to 25½c. a decrease of 5c. compared to previous price schedules.

Coriander—A price of 7c. for Roumanian seed was offered during the week, replacing the merely nominal quotation in effect earlier. Moroccan was unchanged, offered on spot at 8c. Czech remained in the nominal category.

Cumin—The inside price of the Iranian variety experienced a ¼c. drop this week, creating a new listing of 14c. to 14½c. Turkish continued at 14c. to 14½c. Both Morrocan and Syrian seeds remained in the nominal category, with prices of 22c. and 17c., respectively.

Mustard—The market was reported as quiet, with no changes in price for listed varieties. A smaller than usual Fall crop was expected, with some feeling that future prices would be adjusted accordingly.

Poppy—Polish, Dutch, and Turkish seeds were unchanged in price during the week. Demand was considered to be slow, but in keeping with the time of year, A very small crop of Dutch seed was expected this August and September, a situation that was expected to have a noticeable effect on prices.

Spices

Cassia—Saigon material was reduced again last week to a low price of 43c. and a high of 43½c. Broken experienced another drop of 1c. on the low side of the range, and a 1½c. decrease on the high side, for a new spread of 40c. to 40½c. Other varieties were without significant change.

Clove—Both Ceylon and Zanzibar types continued on their downward trend. A new price of $1.43 was listed for Ceylon, a decrease of 4c. from the low side price of the previous week. Zanzibar was listed at a single quotation of $1.44, a drop of 4c. from last week's prices. A sizable crop was expected for the fall, with expectations in the trade of an easier market.

A means of control of the clove tree diseases prevalent in Zanzibar, has been found, it was announced by the Clove Research Scheme Organization. The group, which has been investigating the diseases of clove trees over the past five years, has been disbanded. The group reported success in finding the causes and means of control of the clove tree diseases.

Ginger—The African variety increased ½c. to a new range of 13½c. to 14c. Unbleached Cochin remained nominal, with no prices quoted in the trade. Other varieties underwent no change in prices.

Nutmeg—While East Indian whole remained priced at 32½c. to 33c., a decrease of ½c. in both sides of the range for the East Indian shrivel variety formed a new listing of 31c. to 31½c. West Indian was unchanged in price.

Pepper—It was expected that with continuing lack of demand, the market for Malabar would become still easier. Spot prices for black Malabar suffered a reduction of 6c., to a single posting of $1.28. Afloat dropped 7c. to $1.27. The July shipment price was off 8c. to $1.26. The shipment for August was reduced 8c. to sell at $1.25.

Red, Japanese hontaka, was raised 1c. during the week, for a new range of 45c. to 46c. White pepper continued a downward tendency, dropping from a previous range of $1.40 to $1.42 to a flat price of $1.35.

In spite of the extremely quiet tone to the market, an underlying situation of strength was noted and was attributed in part to the low levels expected for July shipments. This fact, plus an expected increase in consumption, accounted for expectations in the trade of a firmer market shortly.

Quotations for black pepper on July 2 were as follows: Spot, $1.29-$1.30; afloat, $1.29-$1.30; July shipment, $1.25; August shipment, $1.23.

Pimento—Prices for Jamaican made no further changes during the past week, remaining 28c. and 29c. Mexican was higher, with recent imports offered at 22c. but not expected to show any great change in the coming week. Guatemalan material remained in the nominal category.

Midwest Research Institute Plans New Lab Structure

A functional two-story laboratory and headquarters structure, planned to provide maximum area for tasks of scientific inquiry as well as space for future expansion, is planned for construction soon by the Midwest Research Institute, Kansas City, Mo.

The new building will contain 71,000 square feet of floor area and will be located on a nine-acre plot adjacent to the Linda Hall Library of Science and Technology. Construction will start in the fall, probably in October, on the building, planned to cost $1,250,000. All operations of Midwest will be consolidated in the structure. The institute now occupies six scattered buildings.

Wyeth Labs Announces Nelson Yates' Retirement

Nelson G. Yates, who has been a Wyeth Laboratories sales representative in the Ohio territory for twenty-three years, will retire this month.

Harry S. Howard, president of Wyeth, has announced that a dinner honoring Mr. Yates has been scheduled for July 9, in the Statler hotel, Cleveland. Stuart V. Smith, vice-president and director of sales, and H. B. AuBuchon, sales manager, will join other Wyeth salesmen at the dinner. Mr. Yates was employed by Day Drug Company, Akron, and by Peoples Service Drug Company before joining the Wyeth organization in 1930.

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Essential Oils, Other Aromatics

The usual summer business in the essential oil market brought a continued active call for citrus oils. Most of these oils were found in good supply, with the exception of lemon oil. Domestic production of this oil failed to reach the amounts required by consumers, and imports of Italian oil did not fill the gap. Demand for oils other than for seasonal needs was somewhat weak. Consumers tended to replenish inventories in limited amounts only, and as yet were not anticipating their Fall business needs.

Anise oil continued in a position of scarcity, with replacement restricted by government regulations. Prices for USP oil were advanced. Most dealers could offer only small amounts of the oil, and expected no improvement in the supply situation in the coming weeks. The only other price advance during the week was in benzyl cinnamate. These increases were outweighed by the week's declines and the index dropped .27 point to reach 153.03.

Distilled Mexican lime oil was lowered by one source, while other varieties were steady. Call for lime oil remained good, by reason of summer demands, and production appeared ample for most current needs. Cardamom oil was reduced in price, continuing a slightly weaker trend noted earlier. The current reduction was attributed to lower replacement costs. Lemongrass oil appeared somewhat weaker, although no new price range appeared. Derivatives of this oil reflected the weak situation and were scheduled to be reduced by manufacturers. Cedarwood oil was reduced by a small amount, following recent lowering of the costs at the source. Amyl cinnamic aldehyde and anisic were among aromatics lowered in price.

Mint oils were weaker following reports that production from the new crop would be high. Some holders of oil from last year's crop reduced their quotations, while others withheld price revisions until more definite information about new production could be obtained.

Market Trends

Advanced

Benzyl cinnamate, 50c. per lb.
Oil, anise, USP, 20c. per lb.

Reduced

Amyl cinnamic aldehyde, 65c. per lb.
Anisic aldehyde, 5c. per lb.
Oil, almond, nat., bitter, FPA, 20c. per lb.
Cardamom, NF, $2 per lb.
Cedarwood, 2c. per lb.
Lime, dist., Mexican, 10c. per lb.
Phenylethylphenyl acetate, 10c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
153.03	153.30	152.94	179.54

(For Current Prices see page 9)

Essential Oils

Almond—Natural, bitter, oil was offered at a lower price. A quotation at $3.20 per pound showed a drop of 20c. below the earlier minimum price. This quotation was made for material listed as free from prussic acid. Oil confirming to specifications of the National Formulary ranged upward from $3.25. Natural, sweet, oil confirming to USP specifications was priced upwards from 55c. and has shown no change in the past weeks.

Anise—The import situation showed no improvement over the past week. The government regulations requiring licenses for importing Dutch oil proved the obstacle to obtaining the oil. No such licenses have been granted, as far as could be determined, and it appeared to informed trade sources that none would be granted in the immediate future. Supplies of oil available on spot were severely limited. Most dealers could offer only small amounts, if any at all, and were reported not to be soliciting orders for this item. Prices have remained quite firm for some time as a result of the difficult replacement situation During the past week an advance was effected as the low-of-the-range price of $1.80 was moved up to $2. per pound.

Bergamot—A spot price of $11.20 per pound was heard from one direction during the past week. This price showed a 5c. drop from the minimum established previously, but indicated no weakening of the overall price picture for bergamot oil. Other market quotations remained steady and the trade saw no indications of significant reductions in the coming weeks. Inventories have not been maintained at a high level, and some dealers reported that they were maintaining only small stocks on hand.

Bois de Rose—Spot prices for Brazilian oil were held without change at earlier levels. The amount of material available on the spot market remained fairly tight for filling current requirements and the future supply position of the oil also appeared far from ample. One dealer stated that a shortage was indicated until sometime during the first quarter of next year.

Cardamom—The weaker tone noted for this oil for the past several months was observed again in the past week. One supplier reduced its price to $30 per pound, a price that was $2 lower than the previous minimum quotation. The supply position of the oil appeared very good at the present and trade sources expected to find no difficulty in supplying their customers' demands in the immediate future. The higher price schedules that prevailed on the market just a year ago appeared definitely a thing of the past.

Cedarwood—A small reduction was noted when the low-of-the-range price of 48c. per pound was put down to 46c. The decline came as a result of the recent lowering in the replacement cost of this oil. In addition, a somewhat lessened demand for the oil has helped weaken the quotations currently in effect on the market. The supply situation was expected to remain good for the coming weeks.

Chamomile—A price of $175 per pound for blue, Hungarian oil remained in effect as the market's low quotation for this very specialized item. The range widened with an increase in the high-of-the-range quotation from $260 to $275 per pound. The dealers who carried this oil reported having very small quantities in stock and stated that replacement was accomplished on a limited basis. The oil ordinarily receives a very slight inquiry and in recent weeks this call has remained average by comparison with earlier months, dealers stated.

Citronella—Ceylon material was priced from 52c. on spot, and showed some indication of working out of the current weak position. Prices above the current minimum quotation were expected during the coming weeks, according to informed trade sources, if the excess material now on the market should be absorbed. Consumption at a slightly accelerated rate would accomplish this result, it was stated. A report from an informed source at the origin in Formosa indicates that continued efforts are being exerted to maintain a floor price that will offer growers a sufficient return and encourage a satisfactory production of the oil. Spot prices for Formosan oil remained at a minimum of 52c. per pound, although trade sources reported that a price slightly lower than this could be obtained on firm offers. True Java oil continued to attract comparatively slight interest and very little, if any, material was to be found on the market.

Eucalyptus—The market currently is very competitive, trade sources stated, and some increased activity has been noted. Inquiry over the past weeks has shown a somewhat more active pace, with orders placed for late Summer and Fall delivery. Low-of-the-range prices were unchanged, remaining at 70c. per pound for 70-80% oil and at 85c. for 80-90% oil.

Lemon—The scanty supplies of domestic oil were reduced further as additional seasonal demands developed. The current position of the oil is one of extreme scarcity, with little relief in sight for consumers. The problem remains one of production, and an increase cannot be effected quickly. The planting of additional trees offered no immediate solution because of the slow rate of growth of orchards. Prices were firm under the influence of this tight supply situation. $6.25 formed the lower edge of the range, and other quotations extended to $6.75, depending upon maker.

Lemongrass—A weaker market was noted, although no new price range was established in the week just past. Quotations ranged upwards from $1.05 per pound. A number of sources previously maintaining prices toward the upper edge of the range have moved closer to the current minimum. One cause of the current weak situation appeared to be the level of production from the May cutting in India, which was reported as better than had been estimated earlier. Later information from the source will reveal whether the current weak tone will con-

For Late Market Developments, See Page 4

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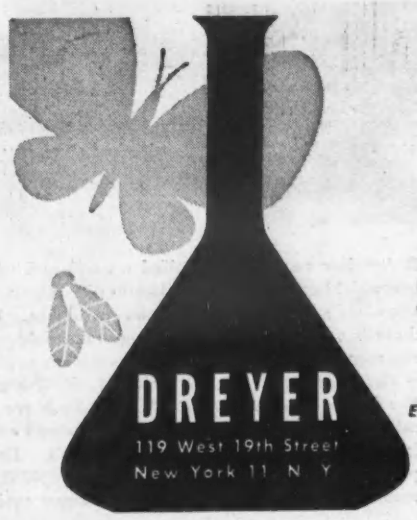

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tinue, or be dispelled by a reduced amount of material for replacement.

Lime—A 10c. reduction was effected in the low-of-the-range price of distilled Mexican oil. Other prices remained steady and showed no inclination to vary in the coming weeks. A good call for the oil has been noted by most dealers, but this demand has not strained inventories, and most orders have been filled without difficulty. Replacement continues at satisfactory levels.

Orange—An active call from beverage and confection producers kept material moving well and price schedules firm. The market was expected to maintain this healthy tone for the coming weeks, as no immediate letup in demand was seen. In addition, a large depression has been made in stocks, so that it will be some time before any surplus material will develop, according to trade sources. Prices for expressed California oil ranged from 80c. to $1.25 per pound, depending upon brand. Florida oil was priced from 75c.

Patchouli—Spot prices from $7.25 per pound and up were heard during the past week and appeared quite firm. The oil has displayed a somewhat stronger tone over the past thirty days, the trade reported, and the current price range was expected to be fully maintained for the coming weeks. The current trend toward a firmer undertone was in contrast to the weakness exhibited during the months previous.

Peppermint—Although the outcome of the new crop was hard to predict, advance reports indicated that it would reach a good level, providing the weather remained satisfactory during the remainder of the growing period. The result of the favorable estimates was a drop in prices for material remaining from the 1952 crop. The price schedules for new material, when it becomes available, were expected in the trade to remain below those in effect during the earlier part of the year. Some holders of oil were refraining from making any price adjustment at the present, preferring to wait until the situation in regard to new crop oil becomes more definite.

Pimento—Leaf oil was steady after declining during the week previous. Berry oil continued in somewhat tight supply, and prices from $4.60 per pound were evenly maintained.

Spearmint—The advance reports bringing expectations of a good crop this year have had the effect of lowering quotations for various lots of the oil remaining from last year's production. Many dealers hold the view that prices are due to fall when the new crop comes in, and in expectation of this decline, a number have already begun offering reductions. Although a price of $8.25 per pound had earlier been maintained as the market's minimum quotation, a price of $8 was noted in several directions and further easing in quotations was expected in the coming weeks. Not all dealers were currently revising their price schedules, since a number were waiting until more definite information concerning the new crop could be obtained.

Vetiver—Bourbon remained steady at a recently lowered price schedule. A low-of-the-range price of $18 per pound was maintained. A reduction in the shipping price effected during the past ten days strongly indicated that spot prices would at least remain at their present level, and that no gains were due to appear in the immediate future. Haitian oil was also lowered at the source during the past ten days and the position of this oil, also, appeared none too strong. Both appeared to be just holding their own, a situation that could be changed suddenly if a sizeable increase in consumption should materialize.

Aromatic Chemicals

Amyl Cinnamic Aldehyde—A 65c. reduction in the minimum quotation was effected when one supplier lowered its price to $1.05 per pound. Other quotations ranged upwards to $2. This material, used widely as a fixative for certain floral odors, was reported in ample production and current market requirements could be filled without difficulty.

Anisic Aldehyde—A reduction of 5c. per pound was effected by one producer during the past week, bringing the minimum quotation to $2.25. This reduction

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lowed upon an earlier 5c. decline noted ring the week previous.

Benzaldehyde—A report in the June 29 ue of OPD stated that the NF grade d been reduced to 70c. by one producer. recheck with the producer has revealed at this price was for the grade of ma- ial that is free from chlorine. The NF ade remains unchanged at a minimum ice of 74c. per pound.

Benzyl Cinnamate—Revised price hedules brought an increase to the min- um quotation. A price of $3.50 replaced e earlier low offer of $3 per pound. her prices for this aromatic were as yet affected. Inquiry for the material for e both for perfumery and flavoring pur- ses was well maintained, trade sources ported.

Phenylethylphenyl Acetate—The low- -the-range quotation was reduced 10c. r pound, bringing this figure to $3.95. the same time, the price forming the per edge of the range was lowered, inging new top figures down to $4.40. his aromatic, used in honey flavors and rose-like odors in perfumes, has been pt in good supply, producers stated, d was offered in satisfactory accounts fill current requirements.

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Buenos Aires—Argentina
Toronto—Canada

Coty Appoints Dr. Rider Cosmetic Research Head

Philip Cortney, president of Coty, Inc., New York, has announced the appointment of Dr. T. H. Rider as director of cosmetic research. Dr. Rider was formerly director of research and development of the Lever Brothers Company, New York.

Mr. Cortney also announced the appointments of two other executives in Coty's general research laboratories. Jean Martin has been made director of the laboratories and Dr. Yolande Valer has been named assistant to the director.

De Laire Chooses Hagelin

Roy W. Hagelin has been appointed eastern representative of de Laire, Inc., New York. For four and a half years Mr. Hagelin had been manager of the essential oils division of S. B. Penick & Co., New York, and had previously been with Dodge & Olcott, New York, for sixteen years.

D&O Adds Jack Melody

Dodge & Olcott, Inc., New York, has added Jack Melody to its sales staff. Mr. Melody, who will work out of the D&O New York office covering the metropolitan New York area, was previously with Ethyl Corporation, New York, where he spent five and a half years as a sales engineer.

Australian Import Restrictions Seen Forcing Americans to Build Abroad

Australian federal import restrictions are making it necessary for American and other overseas companies to either build their own or use local manufacturing and packaging facilities in order to retain their Australian markets, according to an announcement by Kenneth J. Eastaugh, managing director of Simpsons Manufacturing Pty. Ltd., Melbourne, as he arrived in New York from London recently.

Trade Briefs

Robert Gair Company has appointed George A. Bowen, Jr., assistant advertising manager.

"Krilium" soil conditioner has been introduced in a two-ounce package by Monsanto Chemical Company.

Miss Gretchen D. Little, of Atlas Powder Company, has been installed first vice-president and president-elect of the Special Libraries Association.

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*BENZOIC ACID, TECH. (BY-PRODUCT)
*BENZOIN
*BENZYL ALCOHOL, TECH.
*BENZYL CHLORIDE, TECH.
*BENZYL CYANIDE
CHRYSANTHEMUM-MONOCARBOXYLIC ACID ETHYL ESTER
*CINNAMIC ACID
*DIBENZYL ETHER
*N,N'-DIBENZYL ETHYLENEDIAMINE DIACETATE
2,5-DIMETHYL HEXADIENE-1,5
2,5-DIMETHYL HEXADIENE-2,4
*DIPHENYL ACETIC ACID
ETHYL-α-ALLYLACETOACETATE (ETHYL-2-ACETYL-4-PENTENOATE)
*ETHYL PHENYL ACETATE, TECH.
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n-BUTYL DIETHYL MALONATE
ETHYL DIETHYL MALONATE
ETHYL-1-METHYLBUTYL-DIETHYL MALONATE
ETHYL-1-METHYLPROPYL-DIETHYL MALONATE
*ETHYL-PHENYL-DIETHYL MALONATE
1-METHYLBUTYL-DIETHYL MALONATE
1-METHYLPROPYL-DIETHYL MALONATE
*PHENYL DIETHYL MALONATE
*METHYL PHENYL ACETATE, TECH.
*PHENYLACETAMIDE
*PHENYL ACETIC ACID
PHENYL ETHYL ACETIC ACID (α-PHENYL BUTYRIC ACID)
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Protective Coatings Materials

Carbon black advances were limited to a ½-cent increase of semi-reinforcing furnace black and 2 cents on uncompressed black used by the paper trade. These are the only two grades that were revised which OPD quotes. Argentine casein was slightly firmer, coming up ¼-cent. Some sources still considered the low side of the range, a bit low. Orange shellac prices were 1 cent to 2 cents higher.

The metal markets for lead and zinc were quiet pricewise last week, leaving pigment prices steady. Demand for lead pigment was reported to be quite good. Painting activity picked up with the better weather and has been reflected in a steady demand. Zinc pigments have held up to reasonably good levels. June sales were reported to be at the same pace as May activity. Producers have not seen any concrete evidence of a slowdown in buying as the vacation shutdowns approached.

Sales of titanium dioxide were sustained at approximately the same levels. June sales came up to the May period, both were said to be pretty good months. Supplies were sufficient to take care of immediate needs. Demand for lithopone could be better, although it was fairly good, it was reported.

Price increases were noted in ink and paint grades of carbon black. The advances, effective July 1, followed schedules previously announced. Dry colors were still moving well. Prices were steady here.

The general line of synthetics was relatively unchanged in the past week. Demand for most of these resins was satisfactory. Some inclinations of decreased demand during the summer shutdown period were noted by a few sources. However, current business was good. Prices were generally unchanged, except for minor adjustments of resin solutions effective July 1. The revisions, which were announced earlier, were expected to take care of increased costs of containers.

The market for natural gums remained quiet. Replacement costs of all of the gums were firmer, sources said.

Market Trends

Advanced

Black, carbon, furnace, semi-reinforcing, ½c. per lb.
uncompressed, 2c. per lb.
Casein, Argentine, ¼c. per lb.
Shellac, lemon No. 1, 1c. per lb.
lemon No. 2, 2c. per lb.
superfine, 2c. per lb.
TN, 2c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
90.21	90.21	90.18	88.53

(For Current Prices see page 9)

Prime Pigments

Black, Carbon—The price of semi- reinforcing furnace black was advanced ½c., effective July 1. Current quotations in bags carlots were at 4½c. per pound, while less than carlots of bags or cartons were at 8½c. per pound. The paper grade uncompressed carbon black was increased 2c. in carlots of bags, becoming 12c. per pound, and increased 3c. in l.c.l. quantities to 19c. per pound.

Three ink grades were up 3c. in carlot quantities, while two grades went up ½c. in carloads. Advances in paint grades ranged from ½c. to 16c, with most of the changes falling within the range of a 2½c. to 4c. increase.

Dry Colors—Activity for most of these pigments in this broad classification of colors was good. A general increase in trade sales was noted with the warmer weather. The spring paint season was a little late in getting started, due to several months of rain. Now sales are quite good. Producers reported that no significant shortages were anticipated for most of these pigments. Red cadmium lithopones were still in tight supply, due to the scarcity of selenium. The darker reds, requiring more selenium than lighter colors, were tighter. Yellow and orange cadmium colors were in sufficient supply to accommodate consumer requirements. Prices of the dry colors were reported to be unchanged from previous schedules.

Green, Chrome, C.P.—April production of this chrome color totaled 713 short tons, according to the Bureau of the Census. In comparison, March output was 584 tons, and production in April, 1952, was 508 tons.

Lead Pigments—Producers reported that there was no real change in this market last week. Prices remained at their previously established levels. Demand for lead pigments continued to hold the activity in this market up to a good level. Supplies were adequate to meet the requirements of consumers.

Prices of metallic lead paste held to its previous schedules last week. Recent advances in pig lead were being weighed for a change in this price. However, producers decided against the move at present. Current quotations of metallic paste in drums were at 31¾c. per pound for 20-40,000 pounds.

Lithopone—Demand for this pigment has held up fairly well, a source said, adding that sales were not quite as good as it would like to see, but they were not too bad, either. Rubber latex paints were credited with giving this market some of the present activity and showing a better picture than it otherwise might have been. Prices have held to their previously established levels. Supplies were sufficient to take care of current demand from consumers.

Orange, Chrome, Molybdated, C.P.—April production was just 7 tons greater than March output, according to Bureau of Census figures. The April figure was 336 short tons, compared with 329 tons in March, and 216 tons in April of last year.

Orange and Yellow Chromes, C,P,—April output resulted in a combined total of 2,470 short tons, as against March production of 2,518 tons, and April, 1952, output of 1,896 tons, information from the Bureau of Census relates.

Titanium Dioxide—Producers reported that there was no significant change in the market for this pigment. Sales have held to a very good level. One source stated that June sales were sustained at May levels. Both months were said to be good periods of activity. Prices have remained steady at their old schedules. Supplies were sufficient to meet the immediate requirements of consumers.

Yellow Zinc, C.P.—Production of zinc chromate in April totaled 600 short tons, as against 740 tons in March, and 588 tons in April, 1952, according to the Bureau of Census.

Zinc Oxide—Producers reported that sales activity in this market has held fairly well to the same levels during the past month or so. A source stated that a review of the past month indicated that the June total was about as good as May. It was added that neither month had been up to April levels, but the fourth month was an exceptionally good sales period.

Thus far, there didn't seem to be any indication of any real slackening of demand due to approaching summer vacation shutdowns. It was added that there was no anticipation that a cutback in production will be necessary, at this time. Prices of these pigments have held steady since the recent revision of leaded zinc oxides.

Synthetic Resins

Alkyds—Demand for these resins continued at a good level. Producers were moving their production right along. Some sources stated that a slight decrease in all the markets for synthetics was to be expected along with the summer period of vacation shutdowns. Prices were relatively unchanged from previous schedules. Some revisions of resin solution prices were effected July 1 to account for increased costs. The changes however, were only fractional moves in carlot and less than carlot prices. No other price activity was expected at this time.

The tight phthalic anhydride situation continued in the raw material market for alkyds. Phthalic has been short for the past few months due to a long labor conflict keeping a producer's plant down. Up until press-time, no word of a settlement of this strike has come through. Alkyd producers stated that the difficulties in raw materials have not caused any really tight spots in alkyds themselves since the overall capacity of producers is so large.

Gum, Ester—No particular changes were noted in this market. The number of inquiries for maleics seemed to be holding up reasonably well. Some decrease in demand was anticipated with the summer shutdown period. Supplies were adequate for consumer requirements.

Maleics—"Demand for these synthetics has held up pretty well," a source said.

For Late Market Developments, See Page 4

Activity in the furniture trade and other outlets which use maleics in their finishes has kept production up to a good level. Some signs of a slight falling off of demand were evident in this market, as well as all of the others, due to the approaching summer shutdowns coming along soon. However, current business was still rated as good. Prices were generally steady at their old schedules, the only changes being some revisions in liquid drum prices to account for increased costs of containers.

Phenolics—The picture of this market has not changed in recent weeks. Activity was considered to be good for this time of year. Some falling off of demand was anticipated as the summer shutdown season started, however current activity has held up well. Prices remained at their previously established levels. Supplies were adequate enough to accommodate current demand levels for most phenolics. The only real short spot in this supply picture was in the supply of paraphenylphenolics, a more or less specialty item used by the navy.

The following production information comparing April and March output, in pounds, was supplied by the Tariff Commission.

Production

	April	March
Phenolic and other tar acid resins:—		
Laminating resins	7,064,686	7,040,352
Adhesive resins	3,867,577	4,947,345
Protective coating resins, unmodified, modified except by rosin	2,673,588	3,072,617
Urea and melamine resins:		
Adhesive resins	7,782,399	*8,014,284
Protective coating resin, straight, modified	2,956,491	2,094,052
Styrene resins:—		
Protective coating resin, straight, modified	8,020,514	7,480,985
Vinyl resins:—		
Total, all types	46,295,482	46,721,431
Alkyl resins for protective coatings:—		
Phthalic anhydride types:		
Unmodified	22,845,866	23,780,561
Modified with tar acids, rosin and/or other materials	8,595,304	9,785,660
Polybasic acid types except phthalic:—		
Unmodified	461,274	1,463,402
Modified with tar acids rosin and/or other materials	1,540,726	463,891
Rosin modifications for protective coatings:—		
Rosin, rosin esters, unmodified (ester gums, etc.):—		
Esterified with glycerol	1,540,924	2,226,538
Esterified with other alcohols	2,207,734	2,089,334
Rosin, rosin esters, modified:—		
Modification with phenolic and other tar acid condensates	1,540,956	1,336,367
Madification with maleic and fumaric acids	2,876,203	2,996,340
All other modifications	715,986	771,704
Coumarone-indene and petroleum polymer resins	15,244,141	16,356,035
Miscellaneous synthetic plastic and resin materials:—		
Protective coating resins (including epichlorohydrin, acrylic, polyester, silicone and other resins)	726,092	690,127

*Revised.

Natural Resins

The market for gums has not shown much change in levels of activity. Some buying was being done, but largely on a basis of immediate needs. A source reported that all of the markets were firmer in price in the past week. Importers said that replacement costs of a few grades have been gradually creeping up. However, they were still considered to be low enough in price to promote buying. Supplies were adequate, for the most part, to take care of consumer needs. It was added that stocks on some items occasionally were pared down by a larger call for these gums than was anticipated. Replacements were generally on the way here, so the situation never has gotten out of hand, the source said.

Shellac—A strong Calcutta market was finally reflected in advances of orange shellac prices by some suppliers late last week. The increases, which ranged from 1c. to 2c., brought lemon No. 1 up to a range of 36c. to 37c. per pound, lemon No. 2 rose to a range of 34c. to 35c. per pound, both in bags. Superfine became 32c. to 34c. per pound in 10-bag lots, and TN advanced to 30c. to 31c. per pound in 10-bag lots. Some sources retained previous prices.

Miscellaneous Materials

Casein—Importers said that prices were a little firmer for Argentine material last week, as the low side of the range came up ¼c. per pound. It was said that the floor prices in Argentina were unchanged, but prices were firmer there. The fractional increase made a new range of 16¼c. to 17½c. per pound for various brands. Most of the activity was still at approximately the middle of the range.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.[1]
Drums—					
K	...	7.30	7.35	7.33	...
M	...	7.30	7.35	7.33	...
N	...	...	...	7.33	...
WG	7.40	...	...	7.40	...
WW	7.47§	7.41	7.50	7.51§	...
Bags—					
K	...	7.14§	...	...	...
M	...	7.25	7.20	...	...
N	...	7.25	...	...	...
WG	7.04	7.33§	7.22	...	...
WW	7.08	7.40§	7.35	...	...

Tankcars (for week ended June 26)—
M $7.00, N $7.00, WG $7.04, WW $7.08; 1,106*.

Sales, USDA
595* 1,570* 530* 640* ...

New York
(per 100 lbs., c.l., Thursday)
B through N $8.30, WG $8.35, WW $8.50.

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.498†§	.50†	.499†§	.4975†	...
Sales	16,000¶	16,000¶	10,500¶	28,000¶	...

New York, Thursday, per gal. 7 lbs., tankcars, 58½c., l.c.l. 69½c.

*Drums equivalent. †Tankcars. ‡Carlots.
¶Gallons. §Average price.
[1]Not available at press-time.

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Copper Linoleate
Copper Oleate
Copper Naphthenate
Driers
  Naphthenic Acid Driers
    Lead-Cobalt-Calcium
Driers—*Continued*
    Manganese-Zinc-Iron
  Octoic Acid Driers
    Lead-Cobalt-Zinc
  Witall (Tall Oil) Driers
    Lead-Cobalt-Manganese
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  Butyl Stearate
  Dibutyl Adipate
  Dibutyl Phthalate
  Methylcyclohexyl Stearate
Lead Linoleate
Lead Oleate
Metallic Stearates
  Aluminum Lithium
  Barium Lithium Hydroxy
Metallic Stearates—*Continued*
  Cadmium Magnesium
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Colfax, duPont Co. Finishes Unit Representatives, Retires

William S. Colfax, jr., has retired on pension from E. I. duPont de Nemours & Co. after a company career of forty-six years, the last quarter century as a member of the Chicago sales office of duPont's finishes division engaged in sales of automotive refinish materials.

Mr. Colfax joined duPont in 1907. In 1916 he was shifted to the Carney's Point, N. J., plant, where he became assistant superintendent of finishing cannon and rifle powder. Early in 1918 he was made superintendent of powder finishing. After World War II he served for three years as service superintendent for duPont's then new dye works at Deepwater Point, N. J.

Working on sporting powder sales in New England and then on "Duco" finishes development in Parlin, N. J., and Philadelphia, Mr. Colfax was transferred to Chicago in 1926 as sales representative working on the introduction of "Duco" architectural enamels. Since 1930 he had been a sales representative for automotive refinish materials, working primarily with large motor fleet owners.

Edgar Brothers Company Completes Recapitalization

Edgar Brothers Company, Metuchen, N. J., has completed a stock recapitalization involving a new issue of 100,000 shares of common stock. Twenty percent of the new shares were purchased by existing stockholders and by officers and employees of the company. The balance was offered to the public, and immediately oversubscribed.

This marks the first time since its incorporation in 1899 that the company's stock has been made available to the public. The proceeds will be used primarily for the installation of modern processing equipment to expand the company's production of spray dried products. Former stockholders have maintained their investments in the company and the employees will continue to retain effective control, with the result that neither management nor policies will in any way be effected, it was said.

Thibaut Co. Control Passes To Group of Top Employees

A group of executive employees, who have been connected with the company and active in its management for many years, have purchased the entire stock of the Thibaut Wallpaper Company, New York. Following are the new and sole stockholders and officers of the company which will continue to operate as Richard E. Thibaut, Inc.:—George Spinnler, president; Herman G. Kugler, vice-president; John P. Hunt, vice-president, and Elmer G. White, secretary and treasurer. The Thibaut Company was founded in New York in 1886 by Richard E. Thibaut.

Colledge Adds deBauernfeind

Joseph B. deBauernfeind has joined the home office staff of E. W. Colledge, GSA, Inc., Jacksonville, Fla., exclusive sales agents for the naval stores division of Glidden Company, Cleveland, Ohio, and American Turpentine & Tar Company, New Orleans, La. Mr. de Bauernfeind was manager of the Colledge Detroit, Mich., sales office until 1948, when he joined the S. S. Skelton Company, Cleveland. He became vice-president of that company prior to his move to Jacksonville.

Glidden's Nubian Division Building Expansion Started

Details of a $750,000 expansion program to increase manufacturing and warehousing space at Glidden Company's Nubian Industrial Division in Chicago have been announced.

Work is to begin immediately on a new three-story brick building adjoining other Nubian facilities at 1855 North LeClaire avenue. When completed about the end of this year, it will add more than 100,000 square feet to present facilities.

Borden Promotes Markhoff

Charles E. Markhoff has been named technical service manager for the "Durite" line of products of the chemical division of the Borden Company, New York. Mr. Markhoff formerly was plant manager at the division's Philadelphia operation. He has had fifteen years' experience with Borden chemical operations.

Trade Briefs

Howard E. Bahr has been appointed director of displays and exhibits by Corning Glass Works.

Prairie Oil Royalties Company, Ltd., has elected John B. Aird president and a director.

Dr. Paul D. Foote, executive vice-president of Gulf Research & Development Company, has received an honorary doctor of science degree from Carnegie Institute of Technology.

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Culhane, Spencer Kellogg Flaxseed Buyer, Honored

A large delegation of the Minneapolis grain trade honored John T. Culhane, head flaxseed buyer for Spencer Kellogg & Sons, Inc., Buffalo, N. Y., at a testimonial dinner at the Normandy hotel, Minneapolis, Minn., June 29. Mr. Culhane retired last week after more than thirty-six years with Spencer Kellogg. Except for a short time spent in the Engineer Corps during World War I, he had been with the firm since 1915.

Mr. Culhane started as an accountant with Spencer Kellogg in 1915, and was transferred to Minneapolis as a flaxseed buyer in 1924. In 1947 he was elected president of the Minneapolis Grain Exchange. The Minneapolis Grain Shippers Association elected him president in 1945. Mr. Culhane's successor is Howard Scheu, who has been transferred to Minneapolis from Spencer Kellogg's Chicago soybean division.

Cargill Inc., Develops Series of Drying Oils

The products development laboratory of Cargill, Inc., Minneapolis, Minn., has developed a new series of drying oils for the protective coatings industry. Called the "Norlin" series, the new products are manufactured by Cargill's exclusive Dymeride process.

Currently being produced on a tankcar basis are "Norlin L-70" and "Norlin S-70." Based on linseed oil and soybean oil, respectively, they are already being used in oil-type flat wall paints. According to Cargill, the oils are highly polymerized products furnished at 70 percent solids in regular mineral spirits and can be shipped in bulk or drums. Bulletin M-20 as well as samples may be obtained upon request to Cargill's vegetable oil division, 200 Grain Exchange Building, Minneapolis.

Armour & Co. Is Producing Fatty Acid for Alkyd Resins

The protective coatings laboratory of Armour & Co., Chicago, has developed "Neo-Fat 125," a new fatty acid for air-dry or high-bake alkyd resins. The new product is described as a low cost, heat stable, light colored saturated-type fatty acid. It is designed specifically for stable, light colored, non-yellowing alkyds. Armour says that its brilliant color and heat stability is reflected through all stages—storage, heat processing, finished alkyd and exposure upon application.

Monsanto Chemical Has New Styrene Emulsion

Development of a new 50 percent "Lustrex" styrene emulsion, which, it is claimed, is capable of being blended with GRS-2002 styrene-butadiene emulsion, has been announced by Monsanto Chemical Company's plastic division, Springfield, Mass.

The new product, "Lustrex Latex 601-50," also is said to be suitable for use in post-plasticized systems in which it can be substituted on a solids basis for other latices containing less emulsified styrene. Developed especially for the paint industry for use in both interior and exterior paint systems, the material is also suggested for a variety of other surface coating applications. It is available in virtually unlimited supply, according to Monsanto.

General Electric Announces Filling Several Unit Posts

General Electric Company, Schenectady, N. Y., has announced appointments in several of its units.

In the silicone products department, Richard A. Steenrod has been named sales representative at Cincinnati, Ohio, and Burton B. White has been named supervisor of silicone rubber sales development in the silicone products department at Waterford, N. Y. Boyette Edwards has been appointed an industrial engineer for the chemical division in Pittsfield, Mass., and Emmett E. Hinson, jr., has been made manager of industrial laminates and insulating materials sales in Coshocton, Ohio.

Cleveland Paint Club Outing Thurs.

The Cleveland Paint, Varnish and Lacquer Association will hold a golf outing July 9 at the Kirtland Country Club. Tee-off time is scheduled from 11:30 a.m. to 1:30 p.m. Buffet dinner will be served at 7:30 p.m.

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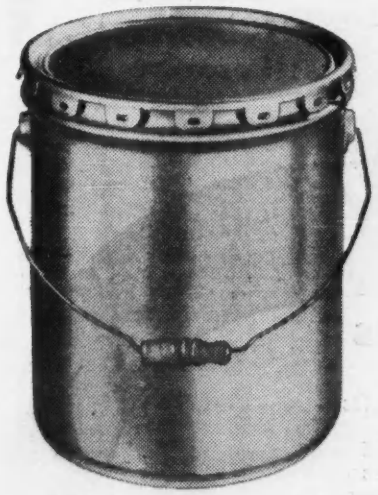

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Oil, Gasoline Price Rise Hearings Resume Today

The house interstate commerce committee opened hearings July 1 into the recent increases in prices in fuel oil and gasoline put into effect in the east by the major oil companies and adjourned until today to give the companies an opportunity to respond to charges of "collusion."

Rep. Charles Wolverton of New Jersey, chairman of the committee, said that the price increases have resulted in "many complaints" and added that the committee wants to find out what caused the increases since they followed "successive cutbacks in the amount of domestic production allowed and have come at the very time when stringent reduction of oil imports is being urged."

Charges that the price increases were illegal and the result of "collusion" were made by Paul E. Hadlick, counsel for the National Oil Marketers' Association, who said that he had asked the Department of Justice to consider antitrust proceedings against the company. He also charged that producers can "manipulate" oil production through state conservation agencies and urged repeal by congress of the Connally "hot oil" act.

Testimony of adverse effects of the price increases also was given the committee by Milton W. Arnold, of the Air Transport Association; Lloyd C. Halvorson, of the National Grange; John Dressler, of the New Jersey Gasoline Retailers Association; Robert Sloan, of the American Transit Association, and Jack Garrett Scott, of the National Association of Motor Bus Operators.

Spencer Kellogg Division Sales Position to James

Spencer Kellogg & Sons, Inc., Buffalo, N. Y., has announced the appointment of Richard E. James as sales manager of the linseed oil division. Mr. James succeeds Sydney C. Murray, who is retiring after forty-four years of service with the company. Mr. James has been with the firm since 1947.

At the same time, the company announced the appointment of Herbert L. Bayer as district sales manager in charge of the New York office, and the appointment of Thomas J. Gould as district sales manager in charge of the Baltimore, Md., territory, succeeding Mr. Bayer. The latter succeeds Alfred P. Mason, who is retiring.

Oil, Gas Leases Offered

California oil and gas lands will be offered for leasing through sealed bids at a sale to be conducted by the Bureau of Land Management July 29 at 1 p. m., EST. The land will be offered in one parcel and is in the known geologic structure of the McKittrick Front field, approximately thirty-eight miles west of Bakersfield in Kern County, Calif.

At the same time it was announced that more than 1,017 acres of New Mexico land will be offered for oil and gas leases at a competitive bid sale to be conducted by the Bureau of Land Management July 22 at 1 p.m., EST. The land is offered in four parcels and is located in the known geologic structure of the Pecos Valley field and Red Lake field, approximately fifteen miles east of Artesia, in Eddy County.

Tall Oil Bulletin Published

The Tall Oil Association, 122 East 42nd street, New York, has issued bulletin No. 12 in its series on tall oil. Entitled "Tall Oil in Asphalt Products," the publication discusses the use of tall oil in road asphalt, cut-back asphalt, road emulsions, soil treatments, drilling fluids, paperboard sizes, asphalt tile, adhesives and printing inks.

Chicago AIC Names Hall Chairman-Elect

Dr. Lloyd A. Hall has been elected chairman-elect of the Chicago chapter of the American Institute of Chemists. Dr. Hall is the technical director of the Griffith Laboratories, Inc., Chicago. Clifford A. Hampel, consulting chemist, has been elected vice-chairman; John Krc, jr., Armour Research Foundation, has been elected secretary, and A. S. Henick, Quartermaster Food & Container Institute, has been elected treasurer.

Columbia-Southern Reports

—Continued from page 4

development department. Mr. Stroemple's efforts will be devoted chiefly to product development activities. He too will be located in Pittsburgh.

Foster G. Garrison, technical representative in the market research and development department, has been named assistant to the manager of the market research and development department, Pittsburgh. He will concentrate his activities on market research. Keith S. Potts, of the University of Utah, Ogden, Utah, has been named statistician in the market research and development department, Pittsburgh. L. C. Bell has been transferred from the plant development department, Natrium, W. Va., to sales in the calcium hypochlorite department, Pittsburgh.

Other sales changes include T. R. Rudolf, who operated under the Dallas, Tex., district office to district sales manager of the New Orleans, La., territory. Mr. Rudolf has functioned in the New Orleans area, which territory now becomes a sales district with New Orleans as headquarters. R. R. Blair moves from pigment sales in the Chicago district sales office to general sales in Boston. John B. Harris, student salesman at Barberton, Ohio, has been named salesman in the Cleveland district territory. The technical service department, under the direction of R. W. Miller, formerly located at the Barberton plant, has been transferred to the corporation's Gateway Center headquarters, Pittsburgh.

Vitro Presidency to Ward

—Continued from page 5

of Fairchild Engine & Airplane Corporation. From 1949 to 1953 he has been chairman of the board of Thompson Industries, Inc., of Boston, and has been engaged as a business consultant.

Mr. Payson is chairman of the board of Refined Syrups & Sugars, Inc., a director and member of the executive committee of Armco Steel Corporation, of Middletown, Ohio, and the Reed-Prentice Corporation of Worcester, Mass.

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Fertilizer Consumption in US Hit New High During 1952

Fertilizer consumption during 1952 in the United States reached a record high of 20,119,039 tons, according to calendar year figures compiled by John F. Gale, economist of the National Fertilizer Association. This was 1,292,932 tons more than in 1951 or an increase of 6.9 percent.

Commercial sales accounted for 20,036,122 tons of the total when only 82,917 tons were distributed directly by the government. Of the government distributed fertilizer, 15,626 tons were used in the Tennessee Valley Authority test and demonstration programs, and 67,291 tons were portioned out under contract by the Department of Agriculture under its soil conservation programs.

Last year was the first time since 1938 that the amount of direct government distribution fell below 100,000 tons. The top figure was reached in 1942 when farmers used 1,227,000 tons obtained from government sources.

Mr. Gale said that "the current downtrend is no indication, however, that Uncle Sam is going out of the fertilizer business. During the 1951-52 fiscal year ending June 30, TVA produced 197,207 tons of ammonium nitrate fertilizer, 140,000 tons of concentrated superphosphate, and other phosphatic fertilizers containing 25,045 tons of P_2O_5.

Senate Confirms Strauss

The nomination of Lewis L. Strauss to be a member of the Atomic Energy Commission was confirmed by the senate June 28. Mr. Strauss, who served as a member of the commission from 1946 to 1950, succeeded Gordon Dean, who resigned as chairman of the commission, effective June 30.

H. J. Baker Gets Guaranty In Dutch Firm Investment

A guaranty of currency convertibility has been granted to H. J. Baker & Bro., New York, by the Mutual Security Agency to protect receipts from an investment by the company in the Netherlands, it was announced July 2.

The guaranty insures the convertibility into dollars of expected returns from a new $9,894.66 investment by Baker i. the firm of Nederlandsche Castoroliefabriek NECOF N. V., processors of castor beans in Geertruidenberg.

Baker has owned a 25 percent equity in the Dutch firm since 1950. The new investment was made when NECOF offered additional stock to its existing stockholders. With its added investment, Baker has maintained its 25 percent equity interest in the firm. The new capitalization has enabled NECOF to approximately double its facilities for the processing of castor beans.

Mixing Equipment Data Offered

U. S. Stoneware Company, Akron, Ohio, has released a twenty-page bulletin on "Mixing and Grinding Equipment." This bulletin, No. 270, gives detailed technical data on the standard line, and incorporates information on the new "Roalox-Burundum-Fortified" mill jars. Photographs, technical data, and comprehensive charts on: U. S. unitized space-saving jar mills, and heavy-duty roller-type jar mills; ball mills; mill jars; drum rollers and tumblers; drum painting equipment, and special mixing equipment, are included. Copies are available without charge.

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Oils, Fats and Waxes

Trading in oils and fats was at low ebb last week, reflecting the vacation shutdowns of many consuming plants during the first two weeks of the month. The undertone of the market was unsettled for most materials as a result of quiet business.

Edible oils were affected by the weakness of soybean oil, which declined fractionally with lower cost of soybeans. Cottonseed and corn oils were slightly lower, while peanut oil was higher due to limited supplies for immediate delivery.

Crude coconut oil remained steady, though inactive, while deodorized was advanced ½ cent per pound. Copra closed steadier, on reports of typhon damage. Caprylic acid was cut 2 cents per pound; lauric acid, 60 percent, 2 cents and 90 percent, 1 cent per pound.

A steady tone prevailed in tallow and greases due to improved export inquiry, while domestic demand continued slow.

Consuming inquiry for drying oils was restricted to light trading in tung oil at slight concessions. Linseed oil continued in steady demand against former contracts, while new business was confined to moderate lots for fill-in needs. Oiticica oil was quiet and unchanged. Refined fish oils were inactive and carlots were available at concessions. Crude menhaden oil was dull and featureless. Offers were more liberal, but buyers views were ½ cent below asking prices.

There was little doing in the carnauba wax market. Consumers were out of the market, except for an occasional lot for immediate needs. Limited stocks on the spot, however, were maintained at prevailing quotations. The local market continued steady, reflecting the strength of replacements from Brazil. Other waxes also were inactive and quotably unchanged.

Sales of synthetic detergents during the first quarter of 1953, exceeded soap for the first time on record, it was reported by the Association of American Soap and Glycerin Producers. Detergent sales totaled 475,100,000 pounds, compared with 426,200,000 pounds of soap.

Market Trends

Advanced

Lard, ½c. per lb.
Oil, coconut, deodorized, ½c. per lb.
Peanut, crude, ½c. per lb.
ref., ½c. per lb.

Reduced

Acid, caprylic, 2c. per lb.
Lauric, 60%, 1c. per lb.
90%, 2c. per lb.
Copra, $2.50 per ton.
Greases, ½c. per lb.
Oil, corn, crude, ¼c. per lb.
ref., ½c. per lb.
Cottonseed, crude, ¼c. per lb.
ref., ¼c. per lb.
Palm kernel, ¼c. per lb.
Soybean, crude, ¾c. per lb.
ref., ¾c. per lb.
Soybean meal, $1 per ton.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 3, 1952
91.76	92.40	93.07	102.29

(For Current Prices see page 9)

Vegetable Oils

Castor Dehydrated—Business continued spotty for immediate needs, lacking volume. Prices were maintained at former levels.

Coconut—Trading was light, but the market held steady. Crude oil was quoted at 14¼c. per pound, tankcars, f.o.b. Pacific coast for first half July shipment and 14c., second half. The market at New York was firm at 16½c. per pound, tankcars, spot. Second half July delivery was quoted at 15c., tankcars.

Copra—This market closed stronger on reports of typhoon damage in the Islands. Prompt shipment was quoted at $190 per ton, c.i.f. Pacific coast.

Corn—Buying interest lacked snap. Crude oil was easy and sold at 13¾c. per pound, tankcars, f.o.b. mills. Refined oil also was quiet and available at 17c. per pound, tankcars, New York delivery.

Cottonseed—Bleachable cottonseed oil futures market was irregular, lacking new feature last week. Trade was light, as the trade awaited the announcement of the support program for the 1953 crop. Reports persisted that new crude oil would be supported at about 12¾c. per pound, loose f.o.b., Memphis and cottonseed meal at $54.50 per ton. Prices were easier early in the period as a result of the sharp break in soybeans, which carried prices down about ¼c., but market became steadier and losses were partially regained. Switching of July delivery to forward positions was fairly active. Crude cottonseed oil was slightly lower and nominal at 14¾c. per pound, tankcars, f.o.b. mills, Southeast and Valley and 14⅜c., Texas. Refined salad oil also was inactive and lower at 17¾c. per pound, tankcars, New York delivery.

Refined cottonseed oil consumption in May totaled 1,404 tankcars, compared with 1,497 (revised) in April and 1,891 in May last year. Total consumption during the first ten of this crop season (August-May) amounted to 15,608 tankcars, against 18,635 during the same time a year ago. Visible supply was estimated at 18,377 tankcars at the end of May, compared with 19,466 end of April and 10,342, end of May last year.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended July 2 follow:—

	Sales	Cents per pound High	Low	Close
July	123	15.70	15.43	15.63@15.65
September	151	14.30	14.00	14.07S
December	82	14.02	13.78	13.94@13.95
March	29	14.18	13.89	13.97@14.01
May	5	14.02	13.88	14.03@14.06

Total sales, 390 contracts.

Linseed—Activity in this market was restricted to the withdrawal of oil against former contracts as consumers continued to absorb sizable quantities. New business was limited to fill-in lots, while interest in futures continued quiet. Raw oil was unchanged at 14.2c. per pound, tankcars, f.o.b. Minneapolis and 15.45c. per pound, tankcars, New York basis. Prices concession of at least 2 points available for carlot quantities.

Minnetpolis—Although processors urged linseed oil users to book needs up to mid-August, there was very little stir in the market. Takings were very light, with some users low on balances forced to come in for prompt needs. There was talk of boosting prices around mid-week, but nothing developed. Trading basis on tankcar lots held firm at 14.2c., with some offered at 14c. a pound, raw basis, bulk, f.o.b., Minneapolis. Open warehouse basing price held at 14.4c. a pound. Shipping instructions were slow.

Shipments of linseed oil, in pounds, were as follows:—

	1952-53	1951-52
Past week	5,220,000	6,600,000
Since Sept. 1	292,770,000	349,320,000

Flaxseed—Market unsteady and lower. Trading light and spotty.

Minneapolis—Flaxseed dropped sharply last Thursday, declining $3.54 per bushel for No. 1 seed, delivered, Minneapolis. Cash trading basis was steady, with no premiums offered, and crushers paying July future price for spot and to-arrive offers. Flaxseed for sale, however, was light as arrivals applied mostly on Commodity Credit Corp. (CCC) account. Receipts for the week totaled 307 cars, compared with 373 cars the previous week and 111 cars a year ago. CCC got 213 cars. The balance applied on old to-arrive bookings and for spot sale. Purchases in the spot cash market totaled 7 cars and 5,000 bushels in trucklots.

Cottonseed Crush: May

Cottonseed received and crushed and production of cottonseed products during May and April, 1953, as compiled by Bureau of the Census, follows:—

Cottonseed

	May	April
	Tons	
Receipts	13,803	*27,705
Crushed	286,426	*376,581
Stocks at mills	361,167	*613,790

Crude Oil

	Pounds	
Produced	95,387,000	*133,124,000
Stocks at mills	34,382,000	*44,188,000

Refined Oil

	Pounds	
Produced	119,424,000	159,289,000
Factory and warehouse stocks	[1]916,453,000	881,275,000

Cake and Meal

	Tons	
Produced	129,515	*181,730
Stocks at mills	140,897	*178,690

Hulls

	Tons	
Produced	57,412	*80,853
Stocks at mills	82,177	*93,139

Linters

	Bales	
Produced	[2]82,743	*118,630
Stocks at mills	[3]107,453	*147,673

*Revised.

[1] CCC owned 659,909,000 pounds of refined cottonseed oil on May 31.

[2] Includes 20,966 bales first cut, 56,029 bales second cut, and 5,748 bales mill run. Average gross bale weights:—Total, 509.5; first cut, 577.2; second cut, 608.2; and mill run, 506.3 pounds.

[3] Includes 60,312 bales first cut, 35,484 bales second cut, and 11,657 bales mill run.

For Late Market Developments, See Page 4

Soybean Crush: May

Soybeans received and crushed and production of soybean oil and meal during May and April, 1953, as compiled by the Bureau of Census, follows:—

Soybeans

	May	April
	Tons	
Receipts	308,581	*430,566
Crushed	620,108	*576,037
Stocks at mills	1,031,389	*1,342,916

Refined Oil

	Pounds	
Produced	175,291,000	198,287,000
Factory and warehouse stocks	100,864,000	103,952,000

Crude Oil

	Pounds	
Produced	226,293,000	*208,414,000
Stocks at mills	73,967,000	53,046,000

Cake and Meal

	Tons	
Produced	485,621	*456,080
Stocks at mills	172,836	*167,319

*Revised.

To-arrive bookings ran to two cars and 25,000 bushels in trucklots. Shipments of flaxseed from Minneapolis totaled four cars as against 69 cars in the preceding week and only ???? car a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts		Shipments	
	1952-53	1951-52	1952-53	1951-52
Past week.	470,900	217,600	None	1,700
Since Sept. 1...	16,020,900	22,246,600	2,948,150	4,531,200

Oiticica—Buying interest continued to lag and market was more or less nominal. Refined oil was unchanged at 23c. per pound, tankcars, New York, spot and 23¾c., August-September. Drums were unchanged at 25c. to 25½c. per pound, spot, depending upon quantity.

Olive—This market remained firm, despite limited trading. Edible oil was well held at $2.75 to $2.80 per gallon, drums, spot duty paid, as to quantity and seller.

Palm—Light demand and lower cost of replacements unsettled the spot market and drums were available at 11¾c. per pound, spot and tankcars, 9¼c. per pound, New York prompt delivery.

Palm Kernel—This market continued easy and shipments declined to 15c. per pound, tankcars, in bond, New York.

Peanut—Light trading in crude oil was reported at 19¾c. per pound, tankcars, f.o.b. mills, and later was offered at 19½c. against bids of 18½c. The government offered peanuts for sale to make about ten cars of oil last week. Refined continued inactive and quoted nominally at 23¼c. per pound, tankcars, New York delivery.

Rapeseed—Refined was inactive and nominal at 17¼c. per pound, tankcars, New York basis.

Soybean—Sharp break in soybeans dropped oil ¾c. per pound. Crude oil declined to 10½c. per pound, tankcars, f.o.b. mills, July delivery; 10⅛c., September and 10⅛c. October-December. Refined grades also were lower. Salad declined to 13¼c. per pound, tankcars, New York basis; alkali refined, 13c. and clarified, 12½c. per pound, same basis.

Consumption of crude soybean oil in May totaled 3,206 tankacrs, against 3,493 in April and 3,760 during May last year.

Sales and prices of prime soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended July 2 follow:—

	Sales	Cents per pound High	Low	Close
July	14	10.98	10.78	10.40B
September	26	10.58	10.23	10.23@10.30
December	5	10.15	10.12	10.03@10.12
March	3	10.30	10.25	10.15@10.25

Total sales, 48 contracts.

Tung—Trading was limited and took place at concessions. Tankcars were reported sold at 27¾c. per pound, New York, prompt delivery and 27c. f.o.b. southern mills. Sellers were quoting at 28c., tankcars New York prompt delivery. Offers of domestic oil were light and quotations were nominal at 27¼c., tankcars, mills. Drums ranged from 29¾c. to 30½c. per pound, spot New York as to quantity. Arrivals of 382 tons were reported at New York from the Argentine last week.

Los Angeles—Market generally quiet and unsettled with buying interest confined to immediate requirements. Following were tankcar prices, f.o.b., Los Angeles, unless otherwise designated:—Castor, USP—26c. per pound; No. 3—25.75c. per pound. Dehydrated, bodied—31.1c. per pound, l.c.l., drums included. Dehydrated, unbodied—29.6c. per pound, l.c.l., same basis. Coconut, crude—14¼c. per pound. Corn, crude—13.75c. per pound, midwest. Refined—17.65c. per pound. Cottonseed, crude—14.875c. per pound, Valley; 14.375c. per pound, Texas. Refined—18½c. per pound, California. Linseed—15.3c. per pound. Peanut, crude—19½c. per pound. Peanut, crude—19½c. per pound, f.o.b. mill. Refined—23c. per pound. Soybean, crude—10.625c. per pound. Refined—14c. per pound. Tung—28c. per pound, New York.

Fats and Greases

Greases—This market was easy and off ⅛c. Domestic demand was slow, while export inquiry for better grades was fairly active. Choice white was held 5¼c. to 5½c. per pound, tankcars, delivered, as to quantity; yellow, 3⅜c.; house, 3⅛c. and brown, 2⅝c., same basis.

Lard—Market was stronger under improved business. Cash lard was higher at 9⅝c. per pound, tierces, Chicago. Lard stocks in Chicago totaled 93,091,920 pounds, June 30, compared with 98,562,770 pounds, June 1 and 81,477,070 pounds, June 30, last year.

Tallow—Trading was reported moderate for better grades for export. Prices were unchanged and steady. Soapers were still out of the market. Bleachable fancy was held at 4½c. per pound, tankcars, delivered; extra, 4½c.; special, 4⅛c. and No. 1, 3⅝c., delivered.

Fish Oils

Cod—Trading was at a standstill as producers were not offering and buying interest also was lacking. Stocks on the spot were unchanged and 10c. to 10½c. per pound, drums as to quantity.

Refined Fish—Business was limited to actual needs. Prices were without change, but carlots were available at concessions. Light pressed oil was quoted at 10½c. and alkali refined at 11½c. per pound, tankcars, New York delivery. Demand for crude oil was inactive and the market was nominal at 7c. per pound, tankcars, f.o.b. Atlantic and Gulf coasts.

Los Angeles—Activity in the local fish oil market was dormant last week with no sales reported. Crude tuna oil quotations unchanged at 5½c. per pound, f.o.b., San Pedro. Fishing operations on the present Alaskan herring season were still held up due to price negotiations. The ultimate production expected for British Columbia herring oil is es-

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Cake and Meal

Linseed Meal—Market continued easy. Demand light.

Minneapolis—The linseed meal market was unsettled as feed manufacturers and jobbers bought supplies only for immediate needs. Production was light but sales barely amounted to 25% of the small run, crushers said. Extracted linseed meal, 36% protein, was quoted at $57 a ton, bulk, in carlots, f.o.b., Minneapolis. Expeller meal, 32% to 34% protein, was quoted at $60-$60.50 a ton, bulk.

Shipments of linseed meal, in pounds, were as follows:—

	1952-53	1951-52
Past week	4,440,000	8,100,000
Since Sept.	475,420,000	492,680,000

Waxes

Beeswax—Trading in crude and refined grades was sluggish, reflecting the usual quietness during the pre-July 4th holidays. Market was steady and all grades were quotably unchanged.

Carnauba—Business was reported practically at a standstill as consumers showed no interest in requirements, while holders of limited stocks on spot were not disposed to press for business. Market remained steady, reflecting the strength of shipments from Brazil. No 3 crude was quoted at $1.13 to $1.15 per pound and refined at $1.17 to $1.19 per pound, as to quantity. No. 1, yellow was maintained at $1.38 to $1.40 per pound and No. 2, $1.36 to $1.38 per pound, according to quantity and seller.

Ouricury—This market also was inactive and quotably unchanged. Refined ranged from 79c. to 81c. per pound, spot as to quantity.

Pennsalt Technical Service Position to Harry Smolens

Harry G. Smolens has joined the technical service department of Pennsylvania Salt Manufacturing Company, Philadelphia, as customer consultant on bleaching, especially hydrogen peroxide, it has been announced.

Mr. Smolens has long been associated with hydrogen peroxide and its use in bleaching and allied applications and has participated in the development of many of the modern textile peroxide bleaching procedures. Before joining Pennsalt, Mr. Smolens was for more than twenty-five years consulting engineer for Buffalo Electrochemical Company, Buffalo, N. Y.

Ceylon's Coconut Products Exports Off in 1st Quarter

Ceylon's exports of copra and coconut oil measured in terms of copra totaled 46,319 long tons during the first quarter of 1953, according to R. F. Ponniah, American Embassy, Colombo. This is a decline of less than 1 percent from the 46,666 tons exported in the first quarter of 1952, and represents about one-fifth of the 210,115 tons exported in the year 1952.

Coconut oil shipments amounted to 27,611 tons, an increase of 15 percent from the comparable period of 1952. However, copra exports of 2,492 tons represented a decline of 70 percent from 1952. The Netherlands was the most important market for coconut oil, followed by Canada, Italy, Germany, and India. China entered the market for the first time with purchases of 200 tons of coconut oil. The decline in copra exports was due to a marked decrease in exports to Pakistan. India purchased most of the copra exported in the first quarter.

Exports of desiccated coconut during the first quarter amounted to 9,850 long-tons, or a decline of one-third from first-quarter 1952 exports. Over one-half of the desiccated coconut (5,174 tons) went to the United Kingdom.

AEC Reports Awards Of Research Contracts

A total of fourteen unclassified physical research contracts with universities and private research institutions has been awarded by the Atomic Energy Commission, it has been announced.

The contracts, which generally were for a term of one year, were let as part of AEC's policy of assisting and fostering private research and development to encourage maximum scientific progress in fields related to atomic energy as specified in the atomic energy act of 1946. All of the contracts are for basic, rather than applied, research.

Contract proposals are reviewed by scientists who are acquainted with the field of the proposed research. Their reviews are taken into consideration by the AEC division of research before a decision is made whether or not to extend AEC support. The contracts are negotiated and administered by AEC operations offices. Generally, the institutions participate with the AEC in defraying the costs of the research when it is of mutual interest.

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10—Anderson Duo Expellers, each with Tempering Apparatus and 50 H.P. A.C. Motors. Very favorably priced.

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4—J. H. Day, type B, 14"x30", 3 roll Roller Mills, roller bearings, water cooled, chain drive. High speed.

2—Raymond Screen Mills, #0A with monel hammers, also #00.

1—20 gal. B.P. jacketed Mixer, dbl. sigma blades, m.d.

3—Oliver Vacuum Filters, incl. 6'x6' acid proof, 11'6"x14', 11'6"x8'.

Quadruple Effect Evaporator, calandria type, brass tubes, 14,000 sq. ft. H. S.; excellent condition; still erected; complete with piping, etc.

2—Stainless Horizontal 13,500 gal. Welded Agitated Tanks.

4—Buffalo Atmo. dbl. drum Dryers, 32"x72", 32"x90", 42"x120".

1—Williams 5 roll High Side Mill.

3—Anco 4'x9' Chilling Rolls; 2—5'x6'6", complete.

3—Laboratory Roller Mills, 5"x12", 6"x14".

3—B&J Rotary Cutters—1—#2, 1 #1, 15 H.P.J 1—anti-friction bearings 3 H.P.

1—2000 gal. rubber-lined horiz. Tank

1—Rotap Testing Screen.

4—Mojonnier S/S Vac. Pans, 3', 4', 5', 6'.

36—S/S Jacketed Kettles, up to 1000 gal., some agitated.

17—S/S Vert & Horiz., open & closed Storage Tanks, up to 2000 gal.

OUR 36th YEAR

VISIT OUR WAREHOUSE

331 DOREMUS AVE.
NEWARK 5, N. J.

1—Patterson Fdry 500 gal. Steel jack., agitated Closed Kettle.

5—Shriver 42" x 42", Cast Iron Filter Presses, Plate and Frame, 27, 54 chambers, 1" cake.

1—Star 20 disc Bronze Chrome Plated Filter, pump, motor, portable.

1—#2 Sweetland, 23 copper leaves 1½" c.c.

2—Day size 82 Roball Sifters, m.d., 40"x120" screens; 1—Rotex, 20"x48."

1—Day 12000 lb. horizontal jacketed dry MIXER, 1500#, 1250#, 1000#, 600#, 400#, 300# S/S.

1—Davenport #3A Dewaterer.

1—Mechanical Cooker, 5' x 16'.

1—Shriver 30" x 30", jacketed, cast iron, Filter Press, 20 chambers, 1".

15—Sperry 18" x 18", C. I., Plate and Frame, Filter Presses, 11 chambers.

6—Dopp c.i., Kettles, 80, 150, 600 gal.

1—A.T. & M. Co. 18" susp. Centrifugal, Steel Basket, bott. disch., unloader.

1—Ross #30 Mammoth 50 gal. change can mixer, m.d.; 1—Day 40 gal., m.d.

1—Patterson Stainless 110 gal. Vacuum Mixer, Sigma Blades.

FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE

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BArclay 7-0600 CABLE ADDRESS EQUIPMENT, N.Y.

OLDEST AND LARGEST DEALER IN REBUILT PROCESSING EQUIPMENT

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PARTIAL LIST OF VALUES — SEND FOR NEWS FLASH!

4—Buflovak Vacuum Shelf Dryers, 20—42"x 42" shelves with condensers

1—Pfaudler 1000 gallon closed, glass-lined Tank.

2—Pfaudler 1000 gallon glass-lined, jacketed, agitated Reactors.

1—Hersey 4'x26' Monel Hot Air Rotary Dryer.

1—Hersey 3'x26' Stainless Steel Hot Air Rotary Dryer.

1—#2TH Stainless Steel Mikro Pulverizer.

3—Stokes BB2 and B2 Rotary Tablet Machines.

1—Baker Perkins 35 gallon, Stainless Steel, Double Arm, jacketed Mixer, Sigma Blades.

2—Eimco 4'x5' Rotary Vacuum Filters, complete with drives and pumps, mounted on common base.

1—Williams "Super Titan" 5 Roll Mill, complete with accessories and motors.

2—Baker Perkins 100, 50 gallon, Double Arm, jacketed Mixers, Sigma Blades.

1—Steel Storage Tank, 10'x50' welded, ASME, 50# pressure.

1—Link Belt steel 3'10"x14' Roto-Louvre Dryer.

1—Link Belt Monel 2'7"x8' Roto-Louvre Dryer.

2—Oliver 8'x10' Monel Rotary Vacuum Filters.

1—Fletcher 48" Suspended Centrifugal, aluminum perforated basket motor driven.

1—Tolhurst 32" Suspended Centrifugal, Monel perforated basket, motor driven.

2—Tolhurst 26" Suspended Centrifugals, stainless steel solid baskets, motor driven.

4—Sweetland Filters, #12, 10 and 7.

2—Bird 18"x28", 24"x38" solid bowl continuous Centrifuges.

1—Hardinge 4½'x16" Conical Steel Lined Ball Mill.

1—Shriver 36"x36" cast iron Filter Press P&F, 46 chambers, closed delivery.

3—Sharples P16 Monel & Stainless Steel, Pressurtite Super Centrifuges.

1—Sharples C-27 Super-D-Hydrator, 316 Stainless Steel.

JUST PURCHASED
ATTRACTIVELY PRICED
IMMEDIATE REMOVAL
NIAGARA FALLS, N. Y.

3—Eimco 3'x1' totally enclosed, Rotary Vacuum Filters, 316 Stainless Steel throughout.

1—F. L. Smidth 4'x30' Rotary Kiln, ½" shell, welded construction.

1—F. L. Smidth 4'x24' Rotary Kiln, ⅜" shell, welded construction.

1—Allis Chalmers 5'x5' steel lined Ball Mill, scoop feed.

2—Chicago Pneumatic 14"x7" Vacuum Pumps.

1—Thropp 18"x50" 2 Roll Mill, motor driven with 75 HP slip-ring motor.

1—#1SH Mikro Pulverizer.

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UNION Rebuilt Machinery — Established 1912

At Tremendous Savings

International Stainless Steel Straightline Vacuum Filler.
Resina LC automatic Capper.
Kiefer Rotary Air Cleaner.
F. M. C. Kyler A adjustable Wraparound Labeler.
Burt Wraparound Labeler.
Mikro 4TH, 3TH, 2TH, 1SH, Bantam (S.S. also) Pulverizers; Schutz O'Neill Mills.
Abbe #O Rotary Cutter.
Fitzpatrick S. S. "D" Comminuter.
W. & P. type 3500 gal. Steam Jacketed, Double Arm Mixer.
J. H. Day 8 gal. Pony Mixer.
Baker Perkins 150 gal. Unidor S. J. Double Arm Mixer.
Baker Perkins BB, W. & P. Readco Heavy Duty 50, 100, 150 gal. Double Arm Mixer.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers from 2 to 450 gal., with and without Jackets, Single and Double Arm.
Day 650 gal. S. J. Jumbo Mixer.
Robinson 100, 800, 1500, 10,000 lbs. Dry Powder Mixers.
Colton Rotary Tablet Machine.
R. A. Jones "E" auto. Soap Press.
Allis Chalmers and Great Western V, C, Jumbo Sifters.
Copper, Aluminum and S. S. Steam Jacketed Kettles.
Huhn Steam Tubular and Gas-Fired Rotary Tubular Dryers.
Tri-Homo 5 Colloid Mill, 7½ HP.
N. E. Lehman 3 and 5 Roll Mills.
S. & S. Model A Transwrap Filler.
Stokes and Smith G1, G2, G6 Auger Powder Fillers.
S. & S. HG88 Duplex Auger Filler.
Horix S. S. Rotary Filler.
Stokes 2 Tube Filler, Closer.
Filler 4-Head S. S. Piston Filler.
Ceco and Jones auto. Cartoners.
Knapp No. 429 Carton Sealer.
Pony ML and M Labelrites; Ermold, World Labelers.
Shriver (Jacketed also), Alsop, Sweetland, Sparkler Filters.
Oliver automatic adjustable Wrapper for wrapping in kraft and cellophane.
Hudson Sharp Campbell automatic cellophane Wrapper.
Package Machy. FA, CA2 and FAQ automatic Wrappers.
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UNION STANDARD EQUIPMENT CO.
318-322 Lafayette Street New York 12, N. Y.

JUST PURCHASED

3—Alsop SD-12-NR-30 Stainless Steel (T316) Filters.

4—Stainless steel shell and tube heat exchangers, floating head, 55 and 70 sq. ft.

3—5' dia. x 50' Stainless Steel Columns or Towers, baffle plate type.

1—Baker Perkins #14—JEM Universal Mixer, 50 gal. working cap., vacuum cover; jacketed; 50 HP motor.

1—Double Drum Dryer, 22"x38".

3—Side Entering Stainless Steel Lightnin Mixers, 15 HP.

3—13 gal. Stainless Steel (T347) Jacketed Autoclaves or Pressure Vessels, 700# int. pr., 50# jkt. pr.

1—Stainless Steel Tank, 16,000 gal., Horiz.

1—2000# Ribbon type Powder Mixer.

1—23 cu. ft. Stainless Steel Rotating Blender.

1—Stokes RDS-3 rotary 16-punch pellet press, slotted head.

1—Shriver 36" C. I. Filter Press, 20 chamber, closed dely.

1—Stainless Steel Pressure Vessel, 600# WP, T304, 18" dia. x 9'4" L. (86 gal.).

PLANT LIQUIDATIONS

AT MARION, IND. 12 horizontal steel tanks, 10,500, 11,300 and 12,700 gal. sizes; 10" x 10" 82-ton Ammonia Compressor with 75 HP motor; Sperry 24" cast iron Filter Press, 16 chambers, closed delivery.

AT NORFOLK, VA. 7 Horizontal welded steel tanks Lastiglas lined, 5800 and 15,200 gal. sizes.

FOR SALE FROM STOCK

8—15,000 gal. Vertical Welded Steel Closed Fermenting Tanks, 80 lb. W.P. turbine agitator with 40 HP motor, 970 lin. ft. 3" pipe coil. Excellent condition.

5—3,000 gal. Horizontal Stainless Steel Tanks, insulated and agitated.

50—Stainless Steel Tanks—15, 30, 60, 100, 150, 200, 260, 300, 500, 1,000, 3,000, 5,700, 16,000 gal.

35—Aluminum Tanks, closed, 4, 275, 330 480, 500, 1,350, 1,450 and 9,000 gal.

50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—40, 60, 80, 100, 150, 200, 500 gal.

2—450 gal. St. St. Jktd. Agit. closed Processing Kettles.

4—Aluminum Reaction Kettles, Jktd. and Agit., 35, 60, 100 & 250 gal.

3—Stainless Steel Packed Columns, 8", 12" and 24" dia.

3—Aluminum Bubble Cap Columns.

8—Stainless Steel Heat Exchanges, 400, 368, 236, 190, 40, 23, 14 sq. ft.

1—Ball & Jewell #1½ Rotary Cutter, stainless steel.

6—Mikro Pulverizers #1-SH, #1-SI, #2-DH, #2-SI, #2-TH and 24" TH.

2—Bird 48" dia. Suspended Centrifugals Stainless Steel Perforated Basket, Plow, Bottom Discharge, 15 H.P. motor.

4—DeLaval Centrifugal Oil Purifiers, models 600, 74-11 and 94-01.

2—Sweetland Filters, #10, #12.

1—Shriver 36" Rubber Covered Filter Press.

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"Buy Reliable Equipment at Reliable Dealers"

PARTIAL LISTINGS

2—Erie City 200 H.P. Economic Boilers.
2—Bird Sus. Style 48" S.S. Centrifuges.
3—Electric Dryers, 6 to 16 Shelves.
2—Drum Dryers, 32" x 90".
3—Shriver 24" & 30" C.I. Filter Presses.
5—Wd P&F Filter Presses, 18", 24", 30".
1—Sweetland #12 Filter.
9—S.S. Kettles with Agitators, 125 to 300 Gals.
2—S.S. Tanks, Horiz., 2500 & 16,000 Gals.
2—Mikro Bantam & #2 Pulverizers S. S.
2—Stokes "RD3" Tablet Machines.
1—Unused 500 Gal. Glass Lined Jack. Kettle.
1—Pf. 250 Gal. Glass Lined Receiver.
3—Bubble Cap Columns 27" & 36" Alum.
2—S.S. Condensers, 368 Sq. Ft.
2—Roball Sifters 40" x 120"—1 & 3 Deck.
6—Horiz. Spiral Mixers 200 to 2000#.

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DRYERS AND KILNS

5'x15' Rotary Kiln brick lined complete.
Vulcan 8'x80' Rotary Kiln 20 HP.
Devine #12 Vac. Shelf Dryer, 40"x42"
2—Allbr. Nell 4'x9' Atmos. Drum Dryers. apron Conveyor Dryer.
1—Buffalo Vac. Drum Dryer, 24"x20".
6—Steam, gas & elect. Dryers.
6—Rotary Dryers, Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

CENTRIFUGALS AND CENTRIFUGES

6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26" 30", 40" & 48", Steel, Copper Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges. 2 HP. Also No. 6.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS

1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
10—Sperry and Shriver, 12", 18" 24", 30", & 36" iron Filter Presses.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS

100 gal. Stainless closed Jack. Agit. Kettle.
2000 gal. type 304 Stainless vert. Tank
Pfaudler 500-gal. Glass Lined Tanks.
Dopp 350 gal. agit. Jack. C. I. Vac. Kettle.
Devine 36" dia. Impregnating Unit; Jacketed. Liquor & Impregnating Kettle.
100 gal. Jack. Impregnating Kettle.
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert. agit. Jack Steel Kettle.
600 gal. vert. agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
2—Pfaudler 500-gal. Glass Lined Tanks.
1—250 gal. Lead lined Kettle.
250 gal. Jacketed Copper Kettle.
Stainless, alum. Copper. Glass Lined. Lead Lined & Steel Kettles and Tanks.
New Stainless Tanks, 50 to 500 gals.
250 gal. vert. Copper Jack Kettle.
Copper Varnish Kettles, 150 to 300 gals.

PULVERIZERS AND MILLS

Patterson Pebble Mills, 6'x8' & 6'x5' MD.
1—Abbe Pebble Mill, 24"x33". Also Jar Mills.
#1 Raymond Autom. Pulverizer, 20 HP.
1#60 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22", 9"x32", 12"x30", 16"x40"
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20. 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS

Baker Perkins double arm Mixers, 100, 50 & 9 gals. Also single arm Mixers.
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x5' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,000 lbs.
Day 15 gal. Pony Mixers.
15—Portable Elec. Mixers, ¼ to 3 HP.
6—Lead and Paste Mixers, to 150 gals.

MISC. AND SPECIALS

Stokes #280, 4" dia. Preform Machine.
Anderson RB Expeller 20 HP Motor.
Sly Dust Collector, 242 sq. ft., complete.
3—Buffalo Horiz. Vac. Pumps, 5 H.P.
2—Buffalo 6' dia. Vac. crystallizers.
4—Stokes & Colton Rotary and Single Punch Tablet Machines, ½ to 4".
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers. Filling Machines, liquid paste, powder.
Elgin Capper, ¼ H.P. Motor driven.
1—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36".
1—Gould 75 HP 2 stage centrif. Pump.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc.
Centrif., Rotary, Duplex & Triplex Pumps.
Boilers—Gas, Oil & Coal Water Stills.

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SPECIAL — SPECIAL — SPECIAL
Day Ribbon Mixer, 2000# with Roball Sifter & automatic Unloader, 20 H.P. motor.

INTERESTING ITEMS

DRYER—Double Drum, 42"x10' complete.
CENTRIFUGE—Sharples Super, New.
DRYER—Stokes Vacuum, 16 shelves, 40x43.
FILTER—Sweetland #5, S/S leaves & S/S bowl.
DRYER—Louisville 6'x50', complete.
COOLER—Louisville 6'x25'.
COLUMN—Bubblecap Steel, 4'x37'.
COLUMN—Bubblecap Copper, 18"x12'.
PULVERIZER—Micro 2DH, 15 H.P.
PULVERIZER—Schutz O'Neill #3.
TANKS—Steel 2200 gal. Welded Vert. & Horiz.
TANK—Stainless Steel horizontal.

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PUMPS—Centrifugal Stainless, Rubber Lead.

HOTTER'N HADES??—Blowers to 60-000 cfm.

FILTER PRESSES—24" to 42" Some open- closed-mesh.

MILLS—Hardinge Conical, 3' x 8" & 6' x 22" Ball, 7' x 48".

HAMMER MILLS—Wms LG1, Reg. #1, GA 30, Jeffrey 24x36, B-2, w/motors.

DID YOU PRAY TODAY?

PEBBLE MILLS—Lab. sizes, NEW JARS, 30x33, 6'x8'.

BLOWERS—Pressure, Spencer, 475 cfm 32 oz.; 1200 cfm 16 oz.

SCREENS—Tyler Hummer, 3x5, 1 & 3 deck. Selectro 18x48, double.

JAW CRUSHERS — 3½ x 4½, 8½ x 14½, 9 x 15, 11 x 26, 18 x 36.

MOTORS—gear reducers many sizes.

LAWLER COMPANY
LAWLER PLACE, METUCHEN, N. J.
METUCHEN 6-0245

FOR SALE

2—Motor Driven #2SI Mikro Pulverizers. Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Homo Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.

Specializing in Rebuilt Machinery

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FOR SALE

Pebble Mills: 5 gal. to 250 gal.
Pulverizers: Micro SH, ISI, 4TH.
3-roll Mills: Day, high and slow speed.
Powder Mixer: Day 66 cu. ft. jktd.
Clarifiers: Sharples Vaporite st. steel.
Dryer: Roto Louvre 5x20' monel metal.
Mixer: Read dbl. arm, 380 gal., st. steel.
Filter: Eimco rotary vacuum, st. steel.
Clarifiers: De Laval 84-51 motor dr.
Mixers: Abbe Lenart s.s., 10 and 100 gal.
Vacuum Pans: 36" Henszey, 25-gal. Stokes.
Press: Davenport 3-A, Durimet con.
Rubber Mill: 12x24" Birmingham, 25 hp.
Hammer Mill: Prater 50 hp, type 9DS.
Powder Mixers: 100 to 2,000 lbs.
Filter Presses: 7" to 24", Sperry, Shriver.
Screens: 20x48 Rotex, Selectro, 20x84 Rotex.
Colloid Mill: Premier 3" st. steel, 7½ hp.

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1925 W. North Ave. Chicago 22, Ill.

EQUIPMENT
for CHEMICAL AND ALLIED INDUSTRIES

1—Acme Type 304 Stainless Steel Vertical Storage Tank, 12,000 Gals. Cap., Dished Heads with Stainless Steel Coils.

1—Buflovak Stainless Steel Rotary Vacuum Dryer, 5' x 20' with all auxiliary equipment.

4—Buflovak Vacuum Shelf Dryers, 20 Shelves Each.

1—Louisville Rotary Indirect Fired Experimental Dryer, 12" x 7½' complete.

1—Ruggles Coles Dryer, 90" x 60'.

1—Vulcan Rotary Kiln, 7' x 120'.

3—Shriver Aluminum 24" x 24" Plate & Frame Filter Presses, Closed Delivery, 35 Chambers.

1—Shriver Cast Iron 24" x 24" Plate & Frame Filter Press, Closed Delivery, 22 Chambers.

2—Sperry Cast Iron 24" x 24" Plate & Frame Filter Presses, Closed Delivery, 30 Chambers.

2—Buflovak Double Drum Dryers, 24" x 36".

2—Downington Stainless Steel Heat Exchangers, 500 Sq. Ft. Ea.

1—Struthers Wells Hastelloy B Heat Exchanger, 450 Sq. Ft. "Unused."

2—Pfaudler Glass Lined Jacketed Kettles, 20 Gals. Cap. Each.

1—Pfaudler Glass Lined Jacketed Kettle, 500 Gals. Cap.

5—Koven Stainless Steel Jacketed Kettles, 380 Gals. Cap. Ea.

1—Baker Perkins Stainless Steel Mixer, Sigma Blade, 9 Gals.

1—Pfaudler 100 Gal. Glass Lined Jacketed Vacuum Still with Condenser & Receiver.

1—Pfaudler Glass Lined Tank, 1000 Gals. Cap.

1—Monel Storage Tank, 1,300 Gals. Cap.

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UNION, N. J. Est. 1886 Unionville 2-4900

FMC

CHECK the MOST DIVERSIFIED STOCK In the CHEMICAL EQUIPMENT INDUSTRY

EVAPORATORS

1000C102—Goslin Birmingham Steel Sextuple Effect, 58,280 sq. ft.
3274—Swenson Quadruple Effect Long Tube Evaporator; film type.
3475—Zaremba Single Cast Iron Evaporator; 130 sq. ft. Copper tubes.
2895—Devine Single Cast Iron Calandria type; 28"x8'.
3515—Acme 1600 Gal. Copper 6'x10', coils, barometric condenser, etc.
3557—Croll Reynolds Vac. Evaporator; 30"x5' MONEL with accessories.
3670—Copper Vac. Evaporator; 66"x73" coils; heat exchanger.
487—Zahm & Nagel Continuous Evaporator; 2500 lbs. per hour.
E12-161—Buflovak Double Effect Evap. C. I. with copper steam chest, Barometric Condenser, etc., 75 and 100 sq. ft. each.
E12-162—Stainless Evaporator 6; dia. 285 sq. ft. coils; jktd Bottom.
349757—Jacketed Crystallizing Evaporators; 24"x21"x12' long.

AUTOCLAVES (includes Vulcanizers, Sterilizers, Retorts, etc.)

3549—Stainless Jacketed Autoclave; 10"x15"; 3000 PSI; Agitated.
3259G5—Steel Hor. Autoclaves with tracks; 66" dia. x 14'7" long.
3598—2600 Gal. Steel Jktd. Agitated Pressure Vessel; 8'x7'.
R4-302—Horizntal Steel Autoclave; 5'x16'; Jacketed; Agitated.
V4-303—Horizontal Steel Autoclave; 52" dia. x 12'; with tracks.
V4-304—Adamson Autoclave; 6'x19'; with inner tracks.
V4-262—Biggs Vulcanizer; ASME code; 6'x14'; quick open door.
R4-226—Hi Pressure Steel Autoclave; 300 PSI; 6'x21'; Jktd. Agtd.
V4-260—Steel Autoclave; 5'x26'; coil heated; tracks, pump, receiver.
R4-301—Globe Rotary Kier; 14' Diameter with 15 HP motor.
V4-305—Horizntal Heavy Steel Pressure Autoclave; 7'x6'; quick open doors.
R4-251—Struthers Wells Jacketed Steel Rotary Autoclave or Digester 100 PSI-ASME; 9'6"x 12'; with 7½ HP motor.
R4-306—Devine Steel Jacketed Rotary Autoclave or Carbonator S/S clad; 150 PSI-ASME; 6'x8'6".

KETTLES

3340—Brand NEW Stainless Steel Kettles good for 100# always in New York stock; sizes up to 500 gal. immediately.
3496—Stainless Clad 30 gal. steam jacketed Kettles; 40#.
3424 K9—Stainless 475 Gal. Kettle; Jktd. Agtd.; 4'x5'.
K7-151—Stainless 175 Gal. Cooling Kettle Jktd. 36"x46"; 2 way Agitator.
3662 D1—Creamery Pkg. Stainless Jacketed Pasteurizing Kettle; 40"x29".
3273—Pfaudler Glass Lined Jktd. & Agtd. Kettle 47"x67".
3444—Pfaudler Glass Lined Jktd. 350 Gal. Kettle 54"x36"; agitated.
3597—Special Lot of Copper Jacketed Kettles from 10 gal. to 250 gal.
36.. L5—250 Gal. Copper Jacketed Agitated (scraper type) Kettle.
K3-150—Dopp 150 Gal. Cast Iron Jacketed Kettle; 47½"x29¾".
3434—Dopp 650 Gal. Cast Iron Jacketed and Agitated Kettles.
3939—New Buflovak 500 Gal. Steel Jktd. & Agtd. Kettle; 4'x5'2".
K7-152—300 Gal. Cast Iron Fusion Pot; agitated; direct fired.
3218—5200 Gal. Steel Jacketed Closed Top Kettle; 9'6"x9'10½".
3247—Aluminum Steam Jacketed Kettles from 25 gal. to 250 gal.

REACTORS

3424 K4—Stainless Reactor; oil heated agitated; 24"x48".
3561—Stainless Jktd. Agitated; 18"x24" with condenser.
3417—Stainless Jktd. Agitated Reactor; 24"x40".
3549—Stainless Jktd. Autoclave; 3000 PSI; Agitated; 10"x15".
3673 L9—Pfaudler Glass Lined Jktd. Reactor; 16"x28".
3544—Pfaudler Glass Lined Jktd. Reactor; 4'x4'; 75 PSI.
3320—Stainless 250 Gal. Agitated Reactor; 36"x50".
3424 K2—Monel 250 Gal. Jktd. Agtd. Reactor; with Condenser and Accessories.
3670—Steel Reactor 4'x4' heated with copper coil unit.
3424 K9—Stainless 475 Gal. Reactor 4'x5' Jacketed and Agitated.
3168—Stainless 500 Gal. Jacketed Reactor; 6' dia. x 30" straight side.
3168 D7—Doppler Jacketed Reactor; 40"x8' high.
3390—Buffalo 500 Gal. New Jktd. Agtd. Reactor; 4'x5'2" motorized.
3273—Pfaudler Glass Lined Jacketed, Agitated Reactor; 47"x67".
3434—Dopp 650 Gal. Cast Iron Full Jktd. Agitated Reactor; 80"x67".
3327—Copper Steam Jktd. Vacuum Reactor; 650 gal. 54"x7'.

SPECIAL LOT M 510

11 Cast Iron Filter Presses, 32" sq. having 48 chambers, plate & frame, washing type, open Delivery. Crated for export.

SPECIAL LOT J 503
Paper-Chem. Processing

2 Stainless Tolhurst 26" Suspended Centrifugals.
5 Tyler-Niagara S.S. Screens; 2'x8' and 3'x8'.
3 Tile Lined Steel Tanks, 1,500 gal., with Quadruplex motorized agitators in SS.
4 SS 1,000 Gal. Vert. Tanks.
S.S. Cylindrical Mixer; 30" Dia. x 12' long, with shaft and ribbon agit.
Ross Double Muller Pan Mixer; 7'6" dia.; 20 HP.
Model B Fales 40" Slitter.
Holyoke 44" Power Paper Reel.

SPECIAL LOT H 505
Pharmaceuticals-Drugs

11 S.S. Hor. Tanks; 2,000 Gal. with agitators.
6 S.S. Hor. Tanks; 1,000 Gal. with agitators.
5 S.S. Vertical Tanks; 450 Gal. with agitators.
2 Pn. Scale Inverted Air Cleaners.
12 Head Pn. Scale Vac. Filler.
2 Head Pn. Scale Aut. Capper.
2 Pn. Scale Auto. Fr. & Back High Speed Str. Line Labellers.
26 Valve Automatic CEM Filler.
4 Head Automatic Capem Capper.
Ertel 30 Disc Bronze Nickel Plated Filter.
World B Line Aut. Labeller.

TABLET EQUIPMENT

2675—F. J. Stokes Rotary Tablet Press Model DD, 23 station; 1-7/16"x1-½"; up to 700 per minute.
3533E1-2—Two Stokes Rotary D4 Tablet Presses; 16 stations; 15/16"x1-9/16" motorized.
2026—Stokes Rotary D1 Tablet Press 16 stations; ⅝" up to 500 per minute.
1302W19—Colton Rotary No. 10-35 Tablet Press; ¾"x1-¾" up to 800 per minute; motorized.
3673 L29-30—Two Colton No. 1 PT Automatic Tablet Triturate Machines, complete with motors and accessories.
3707—F. J. Stokes Model 43A Oscillating Granulator, complete with 1 H.P. motor.
2146A8—Ayers Tablet Counter and Filler; motorized.

SPECIAL LOT D 504
Food Processing

2 Buffalo 5'x12' Vacuum Drum Dryers with Barometric Condensers and Dust Collectors, etc.
2 Devine Vac. Chamber Dryers; with 5 shelves 40"x43".
Jacketed Receivers and Pumps.
2 S.S. 1,000 Gal. Tanks.
2 Shriver 30" Filter Presses Pl & Frame (30) chambers.
Buffalo S.S. Single Effect Calandria Evaporator; 3'x11'.
Pulverizers, Mixers, Accessories.

SPECIAL LOT HC 500
Hi-Vac, Low Temperature Freeze-Dry Equipment

5 Devine No. 5 Vacuum Shelf Dryers; 10 shelves, 40"x43".
York Freon Refrigeration System.
2 Worthington Freon Compressors.
20 Heat Exchangers and accessories.
Condensers, Vacuum and Centrifugal Pumps of all sizes.
3693 K 1-4—Two Patterson Buhrstone Lined Pebble Mills; 6'x5' and 6'x8', complete with pebbles.
3764—Charlotte No. 50 Stainless Steel Colloid Mill arr. for motor drive.
3673 L—3 American Sterilizers with quick opening door; 32"x48" and 42"x60" complete.
3673 LX—3 Nash Hytor Bronze Vacuum Pumps with 2 HP and 3 HP. motors; splendid condition.
2806—Farrell 3 Roll Calendar 18"x54" with Stock and Friction Rolls, complete.
3733 B1—J. H. Day No. 1 Pony Mixer; 15 gal. working cap.
3733 B2—J. H. Day No. 3A Gearless Change Can Mixer; 40 Gal. capacity with 5 HP AC motor.

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Witco Chemical's Safety Program Cuts Accident Rate 60 Percent

Results of a new safety program, started July, 1952, at the Witco Chemical Company's Chicago plant, show that accidents have been reduced by 60 percent, the company has announced. The record of no lost time accidents since October, 1952, has raised the plant from an average safety bracket to well above average.

The program revolves around the work of a management-employee safety committee which meets once a month to discuss precautionary measures, new ideas, follow-ups on previous recommendations and methods for making every employee constantly alert for accident prevention.

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10—monel 1" to 4" Pumps.
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All installed 1949—used less than 6 months.
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1—Stainless Tank #430 Chrome, vert. 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Robbins Vibrex 3x6 Vibrating Screen, single deck.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
60—New Pressure Cookers, 10"x13" & 24"x20".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
3—New Drum Rollers.
1—A. F. Bartlett Hog Mill & 7½ HP Motor.
10—Tanks, 9'6"x30'—15,500 gal. each.
3—French Oil Mill Lard Cookers.
1—Gaulin Stainless Steel Homogenizer, Type CGC, 125 gph., with 3 HP, 3 phase Motor—like new.
1—Shriver 18" Aluminum Filter 9-plates 9-frames.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
1—#316 Stainless Reactor, 265 gals. cap., steam jacketed on bottom.
Mead Mill #2 with 7½ HP totally enclosed motor & Drayer Feeder.
Davenport Rotary Steam Tube Dryer, 8'x36', complete with Drive & Press—latest model.
Abbe Pebble & Tube Mill, 5'x22'—Burr-Stone Lined.
1—Patterson Ball Mill, steam jacketed, 36"x42".
1—Patterson Ball Mill, porcelain lined, 17"x27".
3—Dopp Kettles with agitators, 700 gal. cap.
3—Tankcar Tanks, 10,000 gal. each, with coils—used for molasses.
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2—Crystallizers—10' long.
2—500 ton Hydraulic Presses.
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1—300 gal. Double Arm Mixer—jacketed.

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CONVEYOR—Belt, 18" & 42".
CONVEYOR—Screw, 16" SS.
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DRYER—Drum, 5' x 6' Atmos.
DRYER—Drum, 24" x 20" SS.
DRYER—Vac., Stokes 59AB.
DRYER—Louisville, 6' x 35' steam tube.
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DUST COLLECTOR—4700 CFM Buell SS.
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FILTER—Rotary, 8' x 10' Oliver.
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KILN—310-16 Roto-Louvre.
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STILL—Cast Iron, 1500 gal.
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- Sweetland #12 Filter, 48 lvs on 3" centers.
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- Baker-Perkins Core Sand Mixer, size 16½ DM.
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Perfume Sold by Machines Ruled Taxable as Retail Item

The Bureau of Internal Revenue has ruled (Rev. Rul. 114) that perfume purchased in bulk and dispensed through a coin-operated venting machine is a sale at retail and subject to the tax on toilet preparations imposed by section 2402 of the Internal Revenue Code.

The bureau also held (Rev. Rul. 115) that sale of cold cream by a manufacturer to doctors or hospitals for use for toilet purposes in the same form as purchased is a sale at retail within the meaning of section 2402 and therefore subject to the tax imposed on toilet preparations. The bureau added:

"However, a sale of cold cream by a manufacturer, usually in bulk, to doctors, hospitals, or druggists for further manufacturing purposes, such as the use of the cold cream as a component material in the compounding of medicinal ointments, is not considered to be a sale at retail within the meaning of section 2402 of the code and is not subject to the tax thereunder, provided, that the manufacturer has in his possession a statement from the purchaser showing that the cold cream was purchased for such use."

Soybean World Output

—Continued from page 7

churia that year. These estimates would indicate, however, that production in both areas is not up to prewar levels.

European Output

The greater part of the soybeans produced in Europe are grown in the Balkan countries, principally Bulgaria and to a lesser extent in Hungary. Current statistics are not available for production in this area or in the Soviet Union. The latter produced about 6,000,000 bushels of beans pre-war. Yugoslavia produced 157,000 bushels in 1951 but the severe drought of 1952 may have reduced the harvest to about one-third this volume. Last year's crop in Italy amounted to 51,000 bushels. France probably produces around 50,000 bushels of soybeans. Actual production is not reported.

Soybean production in all Indonesia is reported at 10,300,000 bushels in 1952—probably an increase from 1951 as 1951 production in Java and Madura, where the bulk of the beans are grown, amounted to 9,300,000 bushels. Acreage has increased gradually in the past few years. Soybean exports from Indonesia are negligible.

Japan's production was up 10 percent from 1951 to 19,200,000 bushels despite a slight decrease in planted area. This was the highest level of production since the early 1920's. Soybean output has shown rapid expansion in recent years due to increased acreage and increased per-unit yields. In Taiwan soybean production increased from about 150,000 bushels pre-war to 490,000 in 1951 (latest year available). In Thailand output was also up sharply from 230,000 bushels to 700,000 in 1952.

Brazilian Soybeans

Production in Brazil, the only significant soybean producer in South America, has advanced significantly from less than 20,000 bushels in the early 1940's to almost 2,900,000 bushels in 1952. The State of Sao Paulo accounts for around 20,000 bushels and Rio Grande do Sul for the remainder. Brazil's 1953 crop may show a further increase.

Only small quantities of soybeans are grown in Africa. Nigeria probably is the largest producer though total output is unknown. Purchases for export in 1951 were reported at around 300,000 bushels. The Union of South African ranks second among African producers, with a record output of 110,000 bushels last year against an average of only 54,000 bushels during 1945-49 and negligible quantities, if any, in prewar years. It is reported, however, that soybeans have not met with favor by growers in the Union and that oil processors are not interested in their development.

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440,924 lbs.—Pure Technical DDT
1,322,773 lbs.—75% Water Wettable DDT Powder Concentrates
18,930 lbs.—Triton X-100
18,930 lbs.—Triton B-1956
145,750 gals. (551,663 lbs.) Xylene
Spare parts for Hudson Sprayers

Prime manufacturers may obtain full sets of specifications by writing or telephoning to the Turkish Economic Mission, 1700 Webster Street, N. W., Washington 11, D. C. (Telephone—Ra. 6-2510). A certificate of the local Chamber of Commerce will be required certifying that the bidder is a prime manufacturer as a prerequisite to bid.

The bids must be submitted for each item individually in separate and within sealed envelopes and must be addressed airmail to:

Presidency of the Purchasing Commission for Malaria Fighting Equipment
Ministry of Public Health and Social Assistance
Ankara, Turkey

and they should reach their destination on or before August 11, 1953 on which day they will be opened by the aforementioned Purchasing Commission.

The bidders among other stipulations, should state the compliance of the insecticides to WHO Specifications, unit value, the preparedness of the supplier to make delivery within 45 days after the opening of the letter of credit and the filing of a Performance Bond equal to 10% of the value of the order.

The inspection of the material to be delivered will be performed by Robert W. Hunt Company, 59 Murray Street, New York, New York at expense of the supplier.

Bids should be firm through September 14, 1953 and should be made on a FAS Atlantic or Gulf Ports basis.

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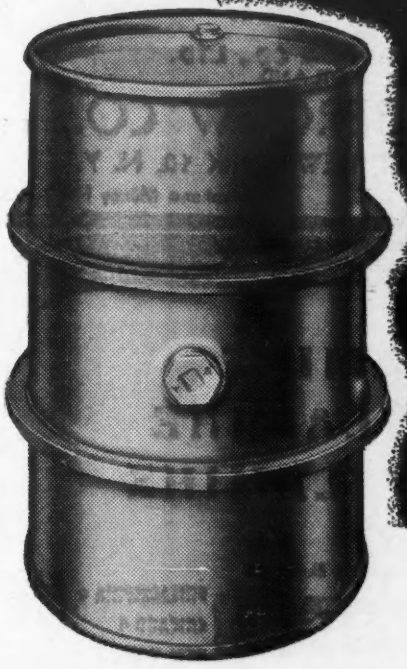

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